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## MANUFACTURES.

(TOTALS FOR STATES AND INDUSTRIES.)

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The Report on Manufacturing Industries in the United States at the Eleventh Census, 1890, consists of three parts: Part I—Totals for states and industries; Part II—Statistics of cities; Part III—Selected industries. The general statistical results of Part III are shown in the tables given in Parts I and II.

A synopsis of manufactures in the cities is given in Part II of the Compendium, pages 701–1041. The totals of manufactures for states and industries are published herewith, these statistics not being fully compiled at the date of issue of the preceding part of the Compendium.

The tables include only establishments which reported a product of \$500 or more during the census year ending May 31, 1890.

The classes of industry in which there are less than three establishments reported for 1890 are grouped in the tables giving specified industries, in order to avoid disclosing the operations of individual establishments.

The collection of statistics of productive industry in 1,042 cities was withdrawn from the enumerators and assigned to special agents. In cases where the totals showed a decrease when compared with the totals of the Tenth Census a special investigation, when practicable, was made to verify the accuracy of the canvass. In rural districts, where the canvass was conducted by the general enumerators, such a verification was impossible. The defective canvass of the enumerators is more apparent in the totals for the states in which there are comparatively few large cities, or for industries conducted largely by establishments located in the rural districts, of which "Leather, tanned and curried" is an example.

In comparing the statistics for the two censuses, it must be remembered that there have been numerous changes in both the form and the scope of the inquiry used at the Eleventh Census as compared with that adopted at the census of 1880.

The great increase shown in the reports for those industries coming under the head of "hand trades" is largely due to the fact that no previous census has so fully reported such industries as carpentering, blacksmithing, painting and paper hanging, and plumbing and gas fitting. The following industries were omitted at the census of 1880, but are included in the totals presented for 1890, namely: bottling; cars and general shop construction and repairs by steam railroad companies; china, decorating; clothing, women's, dressmaking; coffins and burial cases, trimming and finishing; cotton, cleaning and rehandling; cotton, ginning; cotton, waste; drug grinding; druggists' preparations, not including prescriptions; gas, illuminating and heating; hay and straw, baling; and millinery, custom work. "Petroleum, refining" formed part of a separate report at the census of 1880, and the statistics were not included in the report on manufactures. At the census of 1880, "Mixed textiles" appeared as a distinct classification, but the data were largely duplicated under other heads of textile manufacture.

The inquiry concerning capital used at the Tenth Census was not uniform; it was generally as follows: "Capital (real and personal) invested in the business". A series of questions were used at the Eleventh Census designed to obtain a complete statement for each establishment of all the property or assets used in the business strictly pertaining to manufacturing, whether such property was owned, borrowed, or hired. These questions did not call especially for the value of hired property, and its value is not included in the totals given in these tables. The questions used in 1890 resulted in obtaining a fuller return of capital, and as they contained certain subquestions not especially mentioned in 1880, the difference between the totals for the two censuses should not be accepted as showing the exact increase.

The questions respecting employés and wages used at the Eleventh Census required the average number and total wages of males, females, and children, respectively, to be reported by classes of officers or firm members, clerks, operatives, skilled and unskilled, and pieceworkers. The questions used in the schedules on which the majority of the industries were reported at the Tenth Census called only for the "greatest number of hands employed at any one time during the year", also "the average number of hands employed, males, females, and children, and the total wages", without designating the different classes of employés. It is believed the questions used at the Eleventh Census have more fully developed the true average number of employés and total wages. The tendency of the questions used in 1880 was to obtain a number in excess of the average number of employés, while it is believed the questions used in 1890 obtained the average number. The questions in 1890 also tended to increase the amount of wages as compared with 1880, and secured a more complete return of the officers, firm members, and clerks, and their salaries than was reported at previous censuses; therefore the average annual wages per employé as obtained from the reports for the two censuses are not comparable, nor should the amounts be used to ascertain the percentage of increase.

In regard to miscellaneous expenses, previous census reports show no items entering into the cost of manufacture other than the amounts paid for wages and materials. The present inquiry was designed to cover, as far as possible, the entire cost of production. With this end in view, a series of questions pertaining to miscellaneous expenses was included in the schedule for 1890. These questions were generally answered, though in some cases, where a mercantile, mining, or other industry was conducted in connection with manufacturing, accurate reports were not obtained, the manufacturers claiming it was impossible to determine what part of the amount paid for taxes, interest on cash used in the business, and other sundry expenditures, should be charged to each of the several branches of industry. Therefore the amounts reported by some establishments include not only the expenses connected with manufacturing, but also similar data properly chargeable to classes of industry not covered by this report.

The cost shown for materials is the cost at the place of consumption of all materials used during the census year. The question concerning materials on the schedule for 1880 was as follows: "Value of materials used, including mill supplies and fuel". At the census of 1890 the schedule contained separate questions as to the kind, quantity, and cost of the "Principal materials", and the cost of "Mill supplies", "Fuel", and "All other materials". The amounts paid for rent of power and heat are also included under this head in 1890. It is probable that some of the items included in the cost of materials at the census of 1880 are included in "Miscellaneous expenses" in the inquiry of 1890. This is especially true of the item of internal revenue taxes reported in industries, such as malt and distilled liquors and tobacco.

The value given under the head of products is the value at the factory, not including any allowance for commissions or expenses of selling. The question on the schedule

for 1880 concerning the value of products was as follows: "Value of products, including jobbing and repairing". The question used at the Eleventh Census required a separate statement as to the quantity and value of the "Principal products" and the value of "All other products, including amounts received for custom work and repairing". The value of the product being the value at the factory, these statistics can not be taken as showing the profit or earnings of capital, because many items of expense enter into the mercantile portion of the business which is not within the scope of the census inquiry. The inquiry conducted by the Census Office was intended to ascertain only the relations which capital, wages, cost of materials, and miscellaneous expenses bear to the value at the works of the products of manufacturing industries.

The total value of products for 1890 amounts to \$9,372,437,283; but this amount must not be accepted as the value added to the cost of raw materials by manufacturing processes. The product of one industry frequently becomes the material for another; thus the original value of the material, as purchased by the first manufacturer, is duplicated many times before the material reaches a finished state and is delivered to the consumer. It is impossible to arrive at the exact extent of this duplication, but the value added to the cost of the materials as they first entered a factory is fairly indicated by deducting from the value of products given above the total cost of materials, reported as amounting to \$5,162,044,076. This will leave \$4,210,393,207 as the value of products, which may be designated the "net value".

A large number of reports were received from dentists. These returns purported to represent only the mechanical work, but it was evident that in many cases operative dentistry had been included. This fact, combined with the strenuous objection on the part of the profession to give any information whatever of the character required by the census schedule, on the ground that the census law did not seek to secure the returns for professional services, caused the office to discontinue its efforts to obtain further returns for the mechanical branch of the profession. The statistics published are those which were secured prior to the objection referred to.

It was found impracticable to make a complete canvass of the entire United States for the collection of statistics pertaining to the generation of electricity for lighting and power purposes. The data concerning this industry are therefore confined to the state of New York, the city of St. Louis, Mo., and the District of Columbia.

TABLE I.—MANUFACTURES, BY STATES AND TERRITORIES: 1880 AND 1890.

STATES AND TERRITORIES.	Year	Number of establish- ments report- ing.	Capital.	AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.		Cost of materials used.	Value of products, in- cluding re- ceipts from custom work and repairing.
				Employés.	Wages.		
The United States .....	1880	355,415	\$6,525,156,486	4,713,622	\$2,283,210,520	\$5,162,044,076	\$0,372,437,288
	1880	253,852	2,700,272,606	2,732,395	947,953,795	3,300,823,549	5,300,570,191
Alabama .....	1880	2,077	46,122,571	38,821	12,076,020	28,432,281	51,226,005
	1880	2,070	9,668,008	10,010	2,500,504	8,545,520	13,505,504
Alaska (a) .....	1880	10	105,727	86	22,173	30,198	58,440
Arizona .....	1880	76	616,620	528	358,127	353,814	947,547
	1880	66	272,600	220	111,180	380,023	618,305
Arkansas .....	1880	2,073	14,971,614	16,972	5,740,888	12,397,261	22,650,179
	1880	1,202	2,053,130	4,557	925,358	4,392,080	6,750,150
California .....	1880	7,923	146,707,103	83,642	51,538,780	120,248,683	213,403,096
	1880	5,885	61,243,784	43,003	21,065,005	72,007,700	110,218,073
Colorado .....	1880	1,518	26,051,840	17,067	12,285,734	20,848,516	42,480,205
	1880	509	4,311,714	5,074	2,314,427	8,806,762	14,200,150
Connecticut .....	1880	6,822	227,004,490	140,930	75,900,606	123,183,080	248,336,304
	1880	4,488	120,480,275	112,015	43,501,518	102,183,341	185,097,211
Dakota (b) .....	1880	881	6,102,349	4,260	2,131,299	6,011,001	10,710,855
	1880	251	771,428	868	390,375	1,523,701	2,373,070
Delaware .....	1880	1,003	33,695,400	21,906	9,892,387	21,101,752	87,571,848
	1880	746	15,655,822	12,038	4,207,940	12,828,401	20,514,438
District of Columbia .....	1880	2,295	28,805,080	23,404	14,622,264	17,194,600	30,331,437
	1880	971	6,582,520	7,146	3,024,612	6,305,400	11,882,910
Florida .....	1880	805	11,110,304	18,927	6,513,008	8,021,854	18,222,800
	1880	420	3,210,083	5,504	1,270,875	3,040,110	5,516,448
Georgia .....	1880	4,285	56,021,580	56,383	17,312,196	35,774,480	68,017,020
	1880	3,503	20,072,410	24,875	5,200,162	24,143,039	30,440,948
Idaho .....	1880	140	1,048,910	774	324,202	638,673	1,300,000
	1880	162	877,215	388	136,320	844,874	1,271,317
Illinois .....	1880	20,482	502,004,512	312,198	171,523,570	520,010,080	908,040,280
	1880	14,549	140,052,000	144,727	57,420,085	280,843,907	414,804,073
Indiana .....	1880	12,354	131,606,368	124,349	51,749,976	130,110,100	220,825,082
	1880	11,198	65,742,002	69,508	21,900,888	100,202,017	148,000,411
Indian territory (a) .....	1880	20	204,820	175	70,830	127,804	248,032
Iowa .....	1880	7,440	77,513,007	50,174	25,878,997	79,292,407	125,040,183
	1880	6,021	38,987,880	28,872	9,725,002	48,704,311	71,045,920
Kansas .....	1880	4,471	43,920,002	32,843	16,828,485	78,845,107	110,210,805
	1880	2,803	11,102,315	12,002	3,095,010	21,453,141	30,843,777
Kentucky .....	1880	7,745	79,811,980	65,570	27,701,746	63,077,583	126,719,857
	1880	5,828	45,813,030	37,391	11,657,844	47,461,800	76,483,377
Louisiana .....	1880	2,613	34,754,121	31,901	18,150,564	33,282,724	57,800,713
	1880	1,553	11,462,468	12,107	4,360,371	14,442,500	24,205,183
Maine .....	1880	5,010	80,419,800	75,780	20,520,217	51,520,580	95,080,500
	1880	4,481	49,088,171	52,954	13,020,318	51,120,708	79,820,793
Maryland .....	1880	7,485	110,667,316	107,054	41,520,832	92,050,300	171,842,593
	1880	6,787	58,742,384	74,045	18,904,065	66,037,840	106,780,563
Massachusetts .....	1880	20,923	630,032,341	485,182	230,070,500	473,100,434	888,100,403
	1880	14,352	303,806,185	352,255	128,315,302	386,972,656	631,135,284
Michigan .....	1880	12,127	202,412,240	163,941	66,347,708	154,521,918	277,800,706
	1880	8,873	92,030,050	77,591	25,313,082	92,000,200	150,715,025
Minnesota .....	1880	7,505	127,686,618	70,620	38,180,239	118,481,941	192,033,478
	1880	3,493	31,004,811	21,247	8,013,094	55,000,081	76,065,108
Mississippi .....	1880	1,698	14,800,884	15,817	4,013,863	10,064,807	18,705,834
	1880	1,479	4,727,000	5,827	1,192,045	4,007,189	7,518,802

<sup>a</sup> No report received in 1880.<sup>b</sup> North Dakota and South Dakota combined for 1890, to compare with Dakota territory for 1880.

TABLE I.—MANUFACTURES, BY STATES AND TERRITORIES: 1880 AND 1890—Continued.

STATES AND TERRITORIES.	Year.	Number of establish-ments report-ing.	Capital.	AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.		Cost of materials used.	Value of products, in-cluding receipts from custom work and repairing.
				Employés.	Wages.		
Missouri.....	1890	14,052	\$180,558,546	143,130	\$76,417,304	\$177,582,382	\$324,561,993
	1880	8,502	72,507,844	63,995	24,300,716	110,708,392	165,386,205
Montana.....	1890	289	4,203,704	2,600	1,948,213	2,375,033	5,507,573
	1880	190	898,300	578	318,750	1,000,442	1,835,867
Nebraska.....	1890	3,014	37,500,508	23,870	12,084,571	67,334,532	93,037,794
	1880	1,403	4,881,150	4,703	1,742,311	8,208,478	12,027,336
Nevada.....	1890	95	1,211,269	620	445,503	439,058	1,105,063
	1880	184	1,323,300	577	401,807	1,040,794	2,170,026
New Hampshire.....	1890	8,220	79,875,100	63,361	24,248,054	47,754,152	85,770,549
	1880	3,181	51,112,263	48,831	14,814,798	43,652,402	73,978,028
New Jersey.....	1890	9,225	250,805,745	187,398	96,778,730	180,865,740	354,573,571
	1880	7,128	106,226,503	126,038	46,083,046	165,285,770	264,380,236
New Mexico.....	1890	127	605,038	944	532,727	601,420	1,510,105
	1880	144	463,275	557	218,731	871,952	1,284,846
New York.....	1890	65,840	1,190,161,195	850,084	466,810,642	871,284,085	1,711,577,671
	1880	42,730	514,246,575	531,533	198,034,029	870,012,545	1,080,096,500
North Carolina.....	1890	3,607	32,745,005	36,214	7,830,500	22,780,187	40,375,450
	1880	3,802	13,046,030	18,100	2,740,708	13,000,037	20,086,087
North Dakota (a).....	1890	382	2,894,553	1,847	1,002,881	3,087,101	5,028,107
Ohio.....	1890	28,673	402,793,010	301,548	158,708,883	341,016,404	641,088,064
	1880	20,699	188,930,014	183,609	62,163,800	215,334,258	348,298,360
Oklahoma (b).....	1890	72	95,510	105	71,918	50,518	180,445
Oregon.....	1890	1,523	32,122,051	18,798	11,535,220	21,793,578	41,432,174
	1880	1,080	6,312,050	8,478	1,667,040	6,054,430	10,031,232
Pennsylvania.....	1890	39,330	991,243,115	620,562	305,591,003	773,734,637	1,391,794,001
	1880	31,232	474,510,003	387,072	134,055,004	405,020,568	744,818,445
Rhode Island.....	1890	3,377	120,483,401	85,076	37,927,921	70,253,023	142,500,625
	1880	2,205	75,675,043	62,878	21,355,010	58,103,143	104,103,621
South Carolina.....	1890	2,382	29,276,201	24,002	6,500,983	18,873,000	81,926,681
	1880	2,078	11,205,804	15,828	2,830,280	9,885,538	10,738,008
South Dakota (a).....	1890	400	3,207,700	2,422	1,008,418	3,523,840	5,082,748
Tennessee.....	1890	4,550	51,475,002	42,750	16,890,351	40,463,782	72,355,286
	1880	4,320	20,092,845	22,445	5,254,775	23,834,202	37,074,586
Texas.....	1890	5,268	40,815,181	30,475	18,580,338	30,152,308	70,433,651
	1880	2,990	9,245,561	12,180	8,843,087	12,056,200	20,719,028
Utah.....	1890	531	6,583,022	4,080	2,715,805	4,252,030	8,911,047
	1880	640	2,656,657	2,495	858,803	2,561,737	4,324,002
Vermont.....	1890	3,081	32,703,201	24,804	10,090,540	20,483,174	38,310,066
	1880	2,874	23,265,224	17,540	5,164,470	18,330,077	31,354,360
Virginia.....	1890	5,915	63,456,700	59,501	19,644,850	50,148,285	88,363,824
	1880	6,710	29,068,000	40,184	7,425,261	32,880,033	51,780,002
Washington.....	1890	1,543	34,369,735	20,366	12,058,614	10,017,057	41,768,022
	1880	201	3,202,497	1,147	532,220	1,067,400	9,250,134
West Virginia.....	1890	2,370	28,118,030	21,900	8,320,097	23,729,089	38,702,125
	1880	2,375	18,883,300	14,311	4,313,965	14,027,988	22,867,126
Wisconsin.....	1890	10,417	246,515,404	132,031	51,843,708	145,437,010	248,546,184
	1880	7,674	73,821,802	57,109	18,814,917	85,790,178	128,256,480
Wyoming.....	1890	100	1,411,184	1,144	878,640	1,084,432	2,367,601
	1880	57	364,673	801	187,708	601,214	808,494

<sup>a</sup> See Dakota.<sup>b</sup> Part of Indian territory in 1880.

TABLE 2.—MANUFACTURES, BY SPECIFIED INDUSTRIES: 1880 AND 1890.

[The classifications of industries in 1880 and 1890 are not identical, some classes shown in 1880 being subdivided, some consolidated, and the phraseology of others changed in 1890. In this table, when possible, the necessary combinations and changes have been made to compare similar classes.]

MECHANICAL AND MANUFACTURING INDUSTRIES.	Year.	Number of establish-ments reporting.	Capital.	AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
				Em-ployés.	Wages.		
All industries.....	1890	355,415	\$4,525,156,486	4,712,622	\$2,283,216,520	\$5,182,044,076	\$9,972,497,283
	1880	253,852	2,700,272,606	2,732,505	947,953,705	3,300,823,540	5,300,570,191
Agricultural implements.....	1890	910	145,813,897	42,544	21,811,761	31,603,265	81,271,651
	1880	1,043	62,100,008	39,580	15,350,610	31,531,176	68,610,486
Ammunition.....	1890	85	4,308,520	2,267	1,110,482	2,750,782	6,548,050
	1880	4	824,000	1,066	361,778	1,223,452	1,004,406
Artificial feathers and flowers.....	1890	251	3,081,828	6,835	2,081,185	4,645,850	9,078,083
	1880	174	1,253,050	4,342	1,081,040	2,444,418	4,870,324
Artificial limbs.....	1890	50	186,806	250	180,370	93,705	475,077
	1880	33	82,000	72	43,833	31,370	187,024
Artists' materials (a).....	1890	39	361,460	306	105,341	100,850	531,785
	1880						
Awnings, tents, and sails.....	1890	581	3,083,000	3,872	2,208,235	4,150,180	7,820,003
	1880	151	522,700	1,268	334,403	1,230,558	1,968,942
Axle grease.....	1890	31	451,228	194	125,100	401,807	840,459
	1880	10	372,000	72	41,407	200,152	305,048
Babbitt metal and solder.....	1890	36	954,054	261	188,220	2,385,804	2,905,102
	1880	9	78,100	44	18,745	214,193	202,050
Bagging, flax, hemp, and jute.....	1890	16	3,332,102	3,149	905,213	2,520,905	3,852,440
	1880	27	2,401,500	3,209	827,750	2,058,017	3,511,053
Bags, other than paper.....	1890	64	6,015,085	3,769	1,462,011	12,057,270	16,355,385
	1880	37	2,425,900	2,242	776,020	8,027,770	6,720,000
Bags, paper.....	1890	50	2,821,707	1,382	580,002	3,107,717	5,023,703
	1880	80	1,304,700	1,569	439,620	3,037,310	4,112,506
Baking and yeast powders.....	1890	150	3,587,010	1,867	1,001,130	4,278,780	7,400,806
	1880	110	1,350,000	1,042	400,252	3,333,868	4,700,598
Baskets and rattan and willow ware.....	1890	403	2,702,713	3,732	1,260,135	1,308,483	3,633,602
	1880	304	1,852,017	3,110	657,405	867,031	1,092,851
Bellows.....	1890	17	146,044	101	62,483	124,145	249,371
	1880	3	8,750	15	6,875	18,500	20,000
Bells.....	1890	22	500,420	480	237,227	880,701	823,010
	1880	20	708,120	773	280,100	525,175	1,065,824
Belting and hose, leather.....	1890	93	4,978,420	1,021	1,114,754	6,132,704	8,633,634
	1880	90	2,748,700	1,227	600,087	5,010,853	6,525,737
Belting and hose, linen.....	1890	9	795,009	202	153,300	427,805	777,042
	1880	1	10,000	10	4,500	12,000	23,000
Belting and hose, rubber.....	1890	17	5,270,008	1,945	1,043,708	3,470,538	5,512,840
	1880	2	205,000	364	131,721	803,000	1,085,000
Bicycle and tricycle repairing (b).....	1890	83	172,070	306	161,683	67,332	301,709
	1880						
Bicycles and tricycles (b).....	1890	27	2,058,072	1,925	1,105,728	718,848	2,568,326
	1880						
Billiard tables and materials.....	1890	57	1,450,024	1,157	870,480	1,205,042	2,823,278
	1880	40	1,078,169	857	400,770	1,080,400	2,280,768
Blacking.....	1890	71	1,403,087	1,030	501,644	1,484,203	2,900,402
	1880	48	404,025	430	108,188	710,620	1,401,474
Blacksmithing and wheelwrighting.....	1890	28,000	34,500,139	50,887	26,706,927	14,645,000	54,804,639
	1880	38,802	30,250,932	50,634	10,200,800	21,270,040	62,607,120
Bluing.....	1890	53	184,472	232	104,194	180,588	457,251
	1880	23	178,650	146	50,245	107,463	344,824
Bone, ivory, and lamp black.....	1890	24	1,027,651	385	216,288	485,807	1,031,030
	1880	18	627,350	224	80,240	440,068	681,376
Bookbinding and blank-book making ..	1890	805	10,002,034	13,815	8,903,951	6,007,417	17,067,780
	1880	588	5,798,671	10,612	3,927,349	5,195,771	11,070,764

a Included largely in other classifications in 1880.

b No reports received for this industry in 1880.

TABLE 2.—MANUFACTURES, BY SPECIFIED INDUSTRIES: 1880 AND 1890—Continued.

MECHANICAL AND MANUFACTURING INDUSTRIES.	Year.	Number of establishments reporting.	Capital.	AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
				Employes.	Wages.		
Boot and shoe cut stock.....	1890	344	\$5,401,894	5,503	\$2,323,271	\$13,744,655	\$17,903,840
	1880	173	1,210,300	2,885	735,482	5,030,240	7,531,635
Boot and shoe findings.....	1890	138	1,703,123	2,283	771,037	1,065,173	3,450,928
	1880	135	770,800	1,498	451,075	1,188,817	2,134,945
Boot and shoe uppers.....	1890	317	1,216,026	1,708	808,336	1,902,926	3,346,002
	1880	81	209,204	437	170,425	448,104	700,842
Boots and shoes, custom work and repairing.....	1890	20,808	14,230,081	35,448	16,750,739	10,403,383	34,856,651
	1880	16,013	11,304,273	22,607	7,093,706	12,524,433	30,870,127
Boots and shoes, factory product.....	1890	2,082	95,282,311	130,333	66,375,070	118,785,331	220,649,358
	1880	1,050	42,004,028	111,152	43,001,438	102,442,442	160,050,354
Boots and shoes, rubber.....	1890	11	17,700,970	9,264	3,066,875	11,050,787	18,632,060
	1880	9	2,425,000	4,662	1,468,038	6,023,053	9,765,724
Bottling (a).....	1890	716	5,050,705	3,020	2,271,355	7,037,001	13,583,418
	1880	.....	.....	.....	.....	.....	.....
Boxes, cigar.....	1890	201	3,374,451	5,537	2,134,383	3,507,320	7,001,948
	1880	221	1,023,777	2,965	748,057	1,980,700	2,903,405
Boxes, fancy and paper.....	1890	588	9,277,973	10,954	6,800,000	7,803,941	18,805,830
	1880	380	2,496,406	9,678	2,373,948	3,578,827	7,005,553
Boxes, wooden packing.....	1890	636	13,018,450	13,922	6,477,125	14,244,503	25,513,180
	1880	602	5,304,212	7,722	2,769,135	7,074,921	12,087,008
Braids (b).....	1890	14	1,208,610	819	436,500	1,705,005	2,540,800
	1880	.....	.....	.....	.....	.....	.....
Brass and copper, rolled.....	1890	16	8,041,593	2,801	1,577,778	5,403,231	8,331,472
	1880	26	9,057,600	5,082	2,524,100	6,523,157	14,320,731
Brass castings and brass finishing.....	1890	453	18,663,286	11,003	6,022,489	12,240,607	24,344,494
	1880	396	5,740,237	6,217	2,720,704	5,804,452	10,808,742
Brassware.....	1890	113	10,806,001	7,518	4,057,058	7,080,202	13,615,172
	1880	20	594,582	1,142	411,320	648,118	1,523,008
Bread and other bakery products.....	1890	10,484	45,758,480	52,702	28,780,047	72,507,570	128,421,535
	1880	6,396	10,155,286	22,488	9,411,328	42,012,027	65,824,800
Brick and tile.....	1890	5,828	82,578,560	100,161	32,095,189	12,630,507	67,770,686
	1880	5,681	27,073,610	66,355	13,443,532	9,774,834	32,803,587
Bridges.....	1890	137	10,000,218	8,021	5,081,304	12,770,140	21,808,008
	1880	76	4,058,640	4,203	1,882,170	5,000,703	8,078,122
Bronze castings.....	1890	14	710,100	311	253,835	605,485	1,105,168
	1880	7	186,500	153	64,072	498,470	670,012
Brooms and brushes.....	1890	1,235	7,743,802	10,984	4,317,020	6,000,553	14,156,383
	1880	980	4,186,897	8,773	2,424,040	5,604,855	10,600,856
Buttons.....	1890	106	3,089,265	4,036	1,673,870	1,551,003	4,210,705
	1880	124	2,013,350	5,825	1,645,130	1,702,891	4,440,542
Calcium lights.....	1890	15	73,402	97	40,570	35,048	110,003
	1880	4	10,500	20	10,912	25,031	51,443
Cardboard.....	1890	5	610,548	223	139,782	701,704	1,070,805
	1880	8	443,000	345	110,410	637,071	959,145
Card cutting and designing.....	1890	26	80,584	214	106,588	88,186	243,070
	1880	9	13,703	64	18,215	15,610	51,070
Carpentering.....	1890	10,917	81,542,845	140,021	94,524,197	137,847,002	281,105,162
	1880	9,184	19,541,358	54,138	24,582,077	51,021,120	94,162,130
Carpets and rugs, other than rag.....	1890	173	38,208,842	20,121	11,633,116	28,644,905	47,770,193
	1880	195	21,408,587	20,371	6,835,218	18,984,877	31,702,802
Carpets, rag.....	1890	854	975,381	1,704	650,110	726,410	1,714,480
	1880	396	252,604	724	100,792	424,943	861,710
Carpets, wood.....	1890	6	339,000	229	155,390	210,814	511,700
	1880	5	41,000	116	23,730	20,500	102,170
Carriage and wagon materials.....	1890	539	13,028,161	10,928	5,208,427	7,387,004	16,262,203
	1880	412	7,034,718	7,502	2,733,004	4,781,005	10,114,952

<sup>a</sup> No inquiry respecting this industry in 1880.<sup>b</sup> Included largely in other classifications in 1880.

TABLE 2.—MANUFACTURES, BY SPECIFIED INDUSTRIES: 1880 AND 1890—Continued.

MECHANICAL AND MANUFACTURING INDUSTRIES.	Year.	Number of establish-ments report-ing.	Capital.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.		Cost of materials used.	Value of products, in-cluding re-cipts from custom work and repairing.
				Em-ployés.	Wages.		
Carriages and sleds, children's.....	1890	87	\$3,158,412	2,036	\$1,330,955	\$1,900,907	\$4,094,255
	1880	67	770,000	1,310	462,852	808,054	1,677,776
Carriages and wagons, including cus-tom work and repairing.	1890	8,614	104,210,602	73,458	40,198,522	40,889,170	114,551,907
	1880	3,841	37,973,498	45,394	18,988,013	30,507,080	64,051,617
Cars and general shop construction and repairs by steam railroad com-pañies. (a)	1890	716	76,102,477	108,585	61,707,075	66,561,526	129,461,668
	1880						
Cars, railroad, street, and repairs, not including establishments operated by steam railroad companies.	1890	108	48,460,857	35,920	10,445,608	47,528,561	76,352,100
	1880	130	9,272,680	14,232	5,507,753	10,780,271	27,987,501
Celluloid and celluloid goods.....	1890	12	8,158,487	1,023	610,401	850,180	2,575,730
	1880	6	1,214,000	736	242,798	380,262	1,201,540
Charcoal (b) .....	1890						
	1880	175	457,484	1,401	300,607	320,735	975,540
Cheese, butter, and condensed milk (c) .....	1890	4,712	10,624,163	14,021	5,300,705	51,364,674	62,686,043
	1880	3,932	9,004,803	7,003	1,546,405	18,363,670	25,742,510
Chemicals.....	1890	563	55,032,452	16,952	9,601,843	33,604,927	59,352,648
	1880	562	28,508,458	6,645	4,157,103	24,380,560	38,173,658
China, decorating (a).....	1890	78	490,047	407	254,524	304,778	847,555
	1880						
Chocolate and cocoa products.....	1890	11	2,030,007	963	500,604	2,892,210	4,221,075
	1880	7	530,500	223	82,258	812,403	1,302,153
Cigar molds.....	1890	7	210,083	142	67,396	70,060	211,000
	1880	3	69,800	76	32,020	55,210	111,820
Clay and pottery products.....	1890	707	28,127,104	20,296	10,138,148	5,618,401	22,057,000
	1880	752	7,360,323	10,221	3,600,727	2,600,063	8,977,343
Cleansing and polishing preparations..	1890	58	304,100	390	176,940	382,120	865,904
	1880	21	412,325	200	91,455	237,070	500,280
Clock cases and materials.....	1890	4	43,863	32	20,088	11,724	44,038
	1880	2	6,000	46	15,000	10,000	50,500
Clocks .....	1890	27	5,727,202	3,585	1,935,525	1,457,778	4,228,846
	1880	22	2,474,900	3,910	1,622,603	1,008,411	4,110,267
Cloth, sponging and refinishing.....	1890	23	220,396	806	244,302	34,132	399,814
	1880	20	137,350	176	62,700	71,960	222,560
Clothing, horse.....	1890	31	1,028,623	952	313,305	777,570	1,572,205
	1880	3	410,000	565	137,400	453,700	655,000
Clothing, men's .....	1890	18,658	182,552,038	243,857	111,380,672	170,425,661	378,022,815
	1880	6,166	70,801,000	160,813	45,940,353	131,363,282	200,548,460
Clothing, women's, dressmaking (a).....	1890	10,587	12,883,070	67,598	22,373,636	23,303,820	57,071,732
	1880						
Clothing, women's, factory product.....	1890	1,224	21,250,528	42,008	18,812,787	34,277,219	68,161,010
	1880	562	8,207,273	25,192	6,001,005	10,559,227	32,004,704
Coal tar (d).....	1890						
	1880	3	385,000	179	85,500	285,200	466,800
Coffee and spice, roasting and grinding.....	1890	358	16,900,000	5,122	3,263,019	65,001,405	75,042,010
	1880	300	8,366,302	2,716	1,370,009	18,201,302	22,021,804
Coffins and burial cases, trimming and finishing. (a)	1890	1,368	6,010,885	3,234	1,900,153	3,050,859	7,783,140
	1880						
Coffins, burial cases, and undertakers' goods.	1890	104	11,097,730	6,424	8,555,256	6,547,082	12,230,554
	1880	760	5,735,302	4,415	1,895,805	3,770,222	8,157,760
Coke .....	1890	218	17,402,720	9,159	4,186,264	11,500,737	16,408,345
	1880	140	5,645,058	3,142	1,108,654	2,905,441	5,350,480
Collars and cuffs, paper.....	1890	3	297,704	91	48,037	223,077	301,093
	1880	13	901,233	435	151,576	1,106,000	1,582,571
Combs .....	1890	31	742,200	807	433,036	844,120	1,020,835
	1880	88	533,300	1,026	374,785	341,710	951,305

<sup>a</sup> No inquiry respecting this industry in 1880.<sup>b</sup> In 1890 included with "Timber products not manufactured at mill".<sup>c</sup> See "Cheese", "Butter", and "Milk", Table 7, Agriculture, "Live stock products".<sup>d</sup> In 1890 included with "Chemicals".

## MANUFACTURES.

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TABLE 2.—MANUFACTURES, BY SPECIFIED INDUSTRIES: 1880 AND 1890—Continued.

MECHANICAL AND MANUFACTURING INDUSTRIES.	Year.	Number of establishments reporting.	Capital.	AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
				Employés.	Wages.		
Confectionery.....	1890	2,021	\$23,326,790	27,211	\$11,033,448	\$31,110,020	\$55,997,101
	1880	1,450	8,486,874	9,801	3,242,852	17,125,775	25,037,038
Cooperage.....	1890	2,652	17,800,554	24,652	11,065,366	20,036,011	38,617,056
	1880	3,808	12,178,720	25,073	8,902,603	18,441,064	33,714,770
Cordage and twine.....	1890	150	23,851,883	12,700	4,536,871	24,051,086	33,812,559
	1880	105	7,140,476	5,435	1,558,070	9,330,201	12,402,171
Cordials and syrups.....	1890	40	783,507	387	282,088	1,291,141	1,903,200
	1880	16	128,400	81	42,928	210,500	381,293
Cork, cutting.....	1890	65	1,860,360	2,138	702,518	1,501,002	2,840,359
	1880	46	872,384	702	232,846	970,274	1,666,565
Corsets.....	1890	205	6,640,050	11,370	4,002,815	5,002,140	12,401,575
	1880	113	1,611,695	8,802	1,745,969	3,036,821	6,494,705
Cotton, cleaning and rehandling (a).....	1890	13	110,210	210	54,068	415,005	525,505
	1880						
Cotton, compressing.....	1890	52	7,804,373	8,000	1,228,019	254,300	2,024,027
	1880	20	3,243,800	1,008	573,005	326,808	1,271,700
Cotton, ginning (a).....	1890	1,037	3,221,087	7,660	781,708	542,481	2,307,450
	1880						
Cotton goods.....	1890	905	354,020,843	221,585	60,480,272	154,912,070	207,981,724
	1880	1,005	219,504,704	b185,472	45,014,419	113,765,537	210,950,383
Cotton ties.....	1890	3	22,475	18	3,150	5,080	11,050
	1880	6	70,500	131	38,000	170,198	262,351
Cotton waste (a).....	1890	81	711,050	820	154,257	1,592,041	1,906,022
	1880						
Crucibles.....	1890	10	908,152	254	149,210	306,296	726,708
	1880	11	1,450,250	694	284,100	955,841	1,445,641
Cutlery and edge tools.....	1890	474	12,082,638	9,487	4,918,152	3,405,124	11,110,614
	1880	429	8,850,885	10,510	4,447,340	4,082,222	11,001,370
Dentistry, mechanical.....	1890	3,214	4,010,637	4,787	3,481,180	1,475,255	7,864,200
	1880	753	773,070	541	209,044	455,087	1,400,047
Dentists' materials.....	1890	24	2,908,113	1,214	867,026	903,855	2,504,888
	1880	20	840,800	490	237,720	247,824	860,758
Druggists' preparations, not including prescriptions. (a).....	1890	1,805	4,024,814	3,040	1,988,700	2,411,851	6,050,797
	1880						
Drug grinding (a).....	1890	18	387,895	173	103,504	102,321	430,766
	1880						
Dyeing and cleaning.....	1890	970	3,041,178	5,180	2,557,556	1,103,550	5,207,810
	1880	303	851,110	1,467	511,880	581,886	1,013,943
Dyeing and finishing textiles.....	1890	248	28,450,800	20,207	9,717,011	12,885,220	28,000,500
	1880	101	20,223,081	16,098	8,474,304	13,684,205	32,297,420
Dye stuffs and extracts.....	1890	62	8,045,458	2,302	1,280,987	6,500,028	9,202,514
	1880	41	2,368,700	902	512,007	3,918,741	5,253,038
Electrical apparatus and supplies.....	1890	189	18,997,237	9,485	5,366,188	8,810,498	10,114,714
	1880	76	1,500,758	1,271	683,104	1,110,470	2,055,080
Electric light and power (c).....	1890	144	28,888,540	2,004	1,556,023	1,155,780	4,783,224
	1880	3	425,000	220	117,500	150,650	468,400
Electroplating.....	1890	313	2,051,134	2,182	1,260,475	1,048,057	3,121,642
	1880	221	865,898	1,441	620,848	663,588	1,975,700
Emery wheels.....	1890	17	823,050	292	182,600	186,579	720,425
	1880	11	397,000	112	58,258	109,952	322,022
Enamelled goods.....	1890	10	350,798	301	191,925	118,059	444,942
	1880	3	150,000	211	41,926	236,817	321,511
Enameling.....	1890	27	71,917	187	104,072	52,099	181,942
	1880	19	145,200	176	56,836	69,562	182,758

<sup>a</sup> No inquiry respecting this industry in 1880.<sup>b</sup> Excludes 2,115 officers and clerks for whom salaries were not reported.<sup>c</sup> The data for "Electric light and power" in 1890 are confined to the state of New York, the District of Columbia, and the city of St. Louis, Mo.

TABLE 2.—MANUFACTURES, BY SPECIFIED INDUSTRIES: 1880 AND 1890—Continued.

MECHANICAL AND MANUFACTURING INDUSTRIES.	Year.	Number of establishments reporting.	Capital.	AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
				Employees.	Wages.		
Engravers' materials.....	1890	16	\$139,020	101	\$97,330	\$61,085	\$203,764
	1880	11	54,500	70	39,840	26,464	85,764
Engraving and diesinking.....	1890	382	794,554	1,635	1,160,073	434,506	2,187,157
	1880	246	416,840	852	419,046	262,828	1,180,165
Engraving, steel, including plate printing.....	1890	134	2,024,125	2,560	1,881,583	742,705	3,347,804
	1880	55	2,387,050	1,916	1,951,745	648,904	2,008,616
Engraving, wood.....	1890	285	480,000	1,286	956,366	157,656	1,555,418
	1880	167	183,733	509	333,590	68,605	734,728
Envelopes.....	1890	41	3,218,466	2,501	1,058,550	2,530,703	4,855,080
	1880	12	923,800	1,204	344,143	2,346,500	3,000,617
Explosives and fireworks (a).....	1890	22	507,200	557	213,103	188,938	502,542
	1880	30	570,750	735	210,060	840,877	1,301,132
Fancy articles, not elsewhere specified.....	1890	377	2,386,317	3,054	1,070,818	1,844,550	4,810,450
	1880	151	1,350,450	2,793	1,030,672	1,005,335	2,817,230
Felt goods.....	1890	34	4,400,621	2,266	1,041,206	2,809,037	4,054,708
	1880	26	1,958,254	1,524	430,760	2,530,710	3,010,652
Fertilizers.....	1890	300	40,504,108	10,158	4,671,831	25,113,874	30,180,844
	1880	364	17,913,660	8,598	2,648,422	15,595,078	23,050,795
Files.....	1890	140	2,091,988	2,086	1,445,941	1,038,943	3,170,640
	1880	170	1,666,550	2,508	957,412	787,509	2,486,633
Firearms.....	1890	34	4,672,424	2,750	1,700,205	485,046	2,022,514
	1880	30	8,115,489	4,802	2,700,281	1,859,026	5,730,930
Fire extinguishers, chemical.....	1890	9	405,733	82	57,878	57,736	105,834
	1880	8	400,000	110	84,760	81,840	204,093
Flags and banners.....	1890	20	370,130	364	142,625	105,587	455,840
	1880	11	54,300	68	27,375	48,200	110,600
Flavoring extracts.....	1890	148	1,361,800	700	441,786	1,430,120	2,014,514
	1880	58	404,015	374	120,343	700,040	1,105,637
Flax, dressed.....	1890	6	1,361,635	517	227,123	658,285	981,283
	1880	70	620,455	1,010	268,420	818,243	1,310,241
Flouring and grist mill products.....	1890	18,470	208,473,500	63,481	27,035,742	434,162,290	513,071,474
	1880	24,388	177,301,878	58,407	17,422,316	441,545,225	505,185,712
Food preparations.....	1890	802	6,715,536	4,152	1,816,835	8,120,925	14,105,485
	1880	100	1,293,005	1,333	318,253	1,004,600	2,493,224
Foundry and machine shop products.....	1890	6,475	382,798,337	247,754	148,389,003	171,145,156	412,701,872
	1880	4,058	154,519,484	145,351	65,082,133	103,345,033	214,378,408
Foundry supplies.....	1890	21	670,817	212	152,773	357,874	672,440
	1880	15	126,500	74	27,303	132,220	215,050
Fruit jar trimmings.....	1890	5	1,025,607	552	166,735	275,744	802,237
	1880	1	150,000	348	104,501	318,708	485,503
Fruits, fish, oysters, and vegetables, canning and preserving.....	1890	1,012	10,600,122	59,597	7,204,604	25,404,730	40,005,450
	1880	411	8,247,488	31,905	2,070,900	12,051,203	17,590,576
Fuel, artificial (b).....	1890						
	1880	1	100,000	70	10,000	55,000	102,000
Fur goods (c).....	1890	484	11,115,640	8,075	4,749,101	11,742,508	20,520,988
	1880						
Furnishing goods, men's.....	1890	586	12,209,011	22,211	7,580,340	15,280,572	29,870,040
	1880	101	3,724,064	11,174	2,644,155	6,503,104	11,500,857
Furniture, chairs.....	1890	340	14,387,075	13,827	5,737,810	6,572,200	16,806,358
	1880	384	6,270,804	10,575	3,311,286	4,443,438	9,807,829
Furniture, including cabinetmaking, repairing, and upholstering.....	1890	5,633	70,255,072	78,667	43,051,912	48,553,531	118,700,974
	1880	5,624	41,555,165	52,087	21,737,128	35,507,052	75,100,795
Furs, dressed.....	1890	26	266,021	437	287,503	203,190	451,200
	1880	192	3,598,887	4,134	1,389,284	5,338,242	8,238,712
Galvanizing.....	1890	27	1,301,973	816	473,111	1,940,712	2,957,143
	1880	21	671,450	518	244,700	1,103,186	1,884,695

<sup>a</sup> For 1890 includes only the manufacture of fireworks, "Explosives" being included in other classifications.<sup>b</sup> See group "All other industries" at end of table.<sup>c</sup> Included largely in other classifications in 1880.

TABLE 2.—MANUFACTURES, BY SPECIFIED INDUSTRIES: 1880 AND 1890—Continued.

MECHANICAL AND MANUFACTURING INDUSTRIES.	Year.	Number of establishments reporting.	Capital.	AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
				Employés.	Wages.		
Gas and lamp fixtures.....	1890	108	\$7,218,964	5,530	\$3,592,512	\$2,208,124	\$7,825,672
	1880	35	3,248,400	3,000	1,460,287	1,675,875	4,329,650
Gas, illuminating and heating (a).....	1890	742	258,771,795	14,860	10,642,704	14,037,087	50,987,290
	1880	.....	.....	.....	.....	.....	.....
Gas machines and meters.....	1890	38	1,003,426	1,071	709,529	675,542	1,838,644
	1880	34	1,147,000	853	397,108	630,070	1,334,001
Gas stoves (b).....	1890	24	1,100,528	1,031	628,773	840,120	2,137,944
	1880	.....	.....	.....	.....	.....	.....
Glass.....	1890	204	40,900,850	45,987	22,118,522	12,140,985	41,051,004
	1880	211	19,844,600	24,177	9,144,100	8,028,621	21,154,571
Glass, cutting, staining, and ornamenting.....	1890	270	2,504,080	3,704	2,496,420	2,188,287	6,000,378
	1880	170	945,180	1,586	706,708	1,156,860	2,635,009
Gloves and mittens.....	1890	324	5,977,820	8,060	3,100,008	5,021,144	10,103,821
	1880	300	3,370,048	7,607	1,655,005	4,351,469	7,379,605
Glucose.....	1890	7	5,901,023	1,759	974,406	5,020,181	7,756,686
	1880	7	2,255,000	1,192	605,802	3,044,450	4,551,212
Glue.....	1890	92	4,850,206	1,836	823,452	2,510,927	4,270,460
	1880	82	3,016,750	1,801	600,018	2,786,342	4,324,072
Gold and silver, leaf and foil.....	1890	81	1,105,198	1,499	800,796	1,834,710	2,977,701
	1880	60	498,500	955	410,047	1,011,702	1,614,040
Gold and silver, reducing and refining, not from the ore.....	1890	38	4,703,307	900	771,030	30,005,006	32,035,520
	1880	28	817,100	304	178,096	9,128,811	9,548,188
Graphite.....	1890	3	38,614	21	10,442	26,380	54,005
	1880	4	113,000	89	35,225	144,100	210,000
Grease and tallow.....	1890	233	4,330,193	1,787	1,070,284	5,135,901	7,474,911
	1880	150	2,500,779	1,091	550,015	11,779,482	13,730,013
Grindstones.....	1890	9	78,750	192	56,980	34,742	122,240
	1880	14	125,201	231	57,040	85,360	184,555
Gunpowder.....	1890	37	9,600,075	1,730	1,003,004	3,270,004	6,752,343
	1880	33	4,983,500	1,011	510,550	2,053,488	3,948,041
Hairwork.....	1890	402	1,302,903	1,045	870,001	840,045	2,480,001
	1880	209	613,040	1,172	323,315	667,132	1,407,723
Hammocks.....	1890	6	65,525	86	18,359	26,535	60,254
	1880	5	22,300	82	17,576	61,830	110,352
Hand knit goods.....	1890	28	75,468	224	61,980	88,280	205,776
	1880	39	152,700	1,814	137,720	230,640	446,354
Hand stamps.....	1890	234	908,873	1,008	650,047	432,087	1,583,872
	1880	40	103,150	103	82,605	103,648	318,018
Hardware.....	1890	350	20,271,840	10,671	9,911,486	10,180,442	20,726,463
	1880	402	15,363,551	10,801	6,810,913	10,097,577	22,053,603
Hardware, saddlery.....	1890	102	3,376,356	3,179	1,547,205	1,624,840	4,118,195
	1880	64	1,055,550	2,815	660,432	1,851,430	3,051,021
Hat and cap materials.....	1890	73	1,700,050	1,705	844,352	2,050,001	3,405,524
	1880	64	746,828	1,215	463,854	1,325,281	2,217,250
Hats and caps, not including wool hats.....	1890	705	13,724,002	27,193	14,111,747	10,160,802	37,311,500
	1880	480	5,455,408	17,240	6,035,522	9,341,352	21,303,107
Hay and straw, baling (a).....	1890	72	416,541	777	140,653	720,195	1,058,142
	1880	.....	.....	.....	.....	.....	.....
High explosives.....	1890	32	3,920,503	820	510,810	2,202,710	4,000,272
	1880	21	1,601,025	320	104,804	1,218,061	2,453,083
Hones and whetstones.....	1890	0	97,035	71	27,973	6,332	54,136
	1880	25	132,525	225	52,961	92,461	224,130
Hooks and eyes.....	1890	10	449,618	243	148,444	325,615	593,604
	1880	5	420,188	228	88,321	214,980	370,078
Horseshoes, factory product (b).....	1890	4	1,290,065	403	282,870	510,440	1,110,032
	1880	.....	.....	.....	.....	.....	.....

<sup>a</sup> No inquiry respecting this industry in 1880.<sup>b</sup> Included largely in other classifications in 1880.

TABLE 2.—MANUFACTURES, BY SPECIFIED INDUSTRIES: 1880 AND 1890—Continued.

MECHANICAL AND MANUFACTURING INDUSTRIES.	Year.	Number of establishments reporting.	Capital.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
				Employés.	Wages.		
Hosiery and knit goods .....	1890	796	\$50,007,738	61,200	\$18,263,272	\$35,801,585	\$67,241,013
	1880	359	15,579,501	28,885	6,701,475	15,210,951	29,167,227
House furnishing goods, not elsewhere specified.	1890	133	6,039,650	3,667	1,770,753	4,832,701	8,347,285
	1880	48	456,800	592	210,890	812,361	1,352,188
Ice, artificial.....	1890	222	9,846,408	3,205	1,441,187	940,000	4,900,083
	1880	35	1,251,200	447	140,885	158,112	544,763
Ink .....	1890	73	2,055,219	1,024	757,100	1,664,785	3,504,070
	1880	63	1,251,050	480	230,284	864,785	1,020,413
Instruments, professional and scientific.....	1890	233	2,006,021	2,371	1,000,104	698,352	3,271,616
	1880	171	1,342,100	1,000	588,751	444,425	1,030,004
Iron and steel.....	1890	645	372,678,018	152,535	84,605,506	205,777,843	430,954,343
	1880	1,005	230,971,884	140,978	55,476,785	191,271,150	296,557,685
Iron and steel, bolts, nuts, washers, and rivets	1890	82	10,789,821	7,341	3,472,202	6,746,304	12,373,031
	1880	100	4,033,010	5,064	1,081,300	6,007,011	10,073,330
Iron and steel, doors and shutters.....	1890	7	42,550	53	38,380	29,792	88,515
	1880	6	79,375	223	103,289	200,000	495,000
Iron and steel, forgings .....	1890	90	7,152,145	4,448	2,638,641	4,875,097	9,042,563
	1880	91	3,508,241	3,210	1,820,151	3,000,780	6,402,028
Iron and steel, nails and spikes, cut and wrought, including wire nails.	1890	138	24,334,540	17,116	7,810,004	22,900,737	34,227,517
	1880	92	3,877,805	2,910	1,255,171	3,312,002	5,020,240
Iron and steel, pipe, wrought.....	1890	22	22,622,307	12,004	5,845,402	25,988,708	37,906,801
	1880	35	6,129,505	6,210	1,788,258	9,480,049	13,292,162
Ironwork, architectural and ornamental.....	1890	724	21,008,172	18,072	11,051,457	18,020,510	37,745,204
	1880	220	1,400,197	1,934	844,614	1,000,405	3,410,080
Ivory and bone work.....	1890	64	1,894,540	1,345	687,800	921,975	1,018,607
	1880	55	775,564	1,105	414,701	754,054	1,464,901
Japanning .....	1890	30	285,794	202	150,201	120,184	350,810
	1880	30	78,710	183	65,502	63,743	100,080
Jewelry.....	1890	783	22,246,508	15,761	10,270,303	10,110,219	34,701,458
	1880	730	11,431,104	12,697	6,441,088	10,324,000	22,201,621
Jewelry and instrument cases .....	1890	76	634,900	1,038	587,574	483,441	1,454,053
	1880	17	62,000	138	51,000	48,550	131,670
Jute and jute goods.....	1890	7	1,045,636	1,212	301,586	501,900	1,120,121
	1880	4	415,000	525	141,970	447,004	690,982
Kaolin and other earth grinding .....	1890	95	8,834,575	1,401	744,120	1,330,200	2,840,862
	1880	63	1,201,527	808	310,900	697,006	1,455,757
Kindling wood .....	1890	136	1,200,583	1,805	772,377	1,187,460	2,401,873
	1880	213	1,018,400	1,443	520,801	1,403,010	2,480,953
Labels and tags .....	1890	47	640,815	710	370,807	402,371	1,048,304
	1880	19	451,500	328	140,208	402,055	865,825
Lamps and reflectors .....	1890	93	2,550,214	2,286	1,320,273	1,542,002	4,030,350
	1880	74	1,873,625	1,730	742,428	1,852,906	3,357,820
Lapidary work .....	1890	20	100,635	120	60,486	124,862	315,604
	1880	55	176,875	252	142,075	226,277	544,089
Lard, refined .....	1890	17	9,898,010	1,018	648,042	12,654,360	15,474,848
	1880	26	2,513,000	1,181	546,258	21,048,826	23,195,702
Lasts .....	1890	62	900,820	774	571,732	834,225	1,230,005
	1880	62	477,692	637	308,975	221,006	705,206
Lead, bar, pipe, and sheet.....	1890	28	4,802,525	780	552,921	6,882,157	8,351,754
	1880	32	2,406,375	571	318,363	4,368,200	5,000,671
Leather board .....	1890	8	445,743	185	92,103	211,030	463,705
	1880	24	866,200	370	121,015	400,975	680,900
Leather, dressed skins .....	1890	88	434,800	855	207,724	724,730	1,072,755
	1880	202	6,266,237	5,805	2,441,872	11,068,205	15,800,311
Leather goods .....	1890	139	2,980,060	3,074	1,464,124	2,988,747	5,578,428
	1880	57	561,900	1,080	450,318	1,097,373	2,020,343

TABLE 2.—MANUFACTURES, BY SPECIFIED INDUSTRIES: 1880 AND 1890—Continued.

MECHANICAL AND MANUFACTURING INDUSTRIES.	Year.	Number of establish- ments report- ing.	Capital.	AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.		Cost of materials used.	Value of products, in- cluding re- ceipts from custom work and repairing.
				Em- ployees.	Wages.		
Leather, morocco (a).....	1880	121	\$12,283,793	8,237	\$4,509,560	\$18,174,452	\$26,270,105
	1880						
Leather, patent and enameled.....	1880	32	4,108,400	2,087	1,352,081	3,032,724	6,502,228
	1880	2	17,100	22	12,800	66,136	100,000
Leather, tanned and curried.....	1880	1,506	81,261,006	34,948	17,825,605	100,114,800	138,282,004
	1880	55,424	87,100,574	34,865	14,040,056	145,255,716	184,000,032
Lightning rods.....	1880	22	436,001	210	132,105	212,780	482,296
	1880	20	431,750	168	73,718	520,091	801,192
Lime and cement.....	1880	873	18,752,306	13,710	5,473,223	5,007,803	15,741,801
	1880	615	6,332,338	5,000	1,570,313	2,049,180	5,772,318
Linen goods.....	1880	3	906,580	588	180,204	208,007	547,273
	1880	5	406,800	484	124,040	381,876	602,451
Liquors, distilled.....	1880	440	21,006,176	5,343	2,814,880	14,900,173	104,197,860
	1880	844	24,247,505	6,502	2,069,907	27,744,245	41,008,003
Liquors, malt.....	1880	1,248	232,471,200	34,800	28,382,544	34,003,347	182,731,622
	1880	2,191	91,208,224	20,220	12,108,053	50,836,500	101,058,885
Liquors, vinous .....	1880	236	5,702,788	1,282	480,733	1,818,012	2,846,148
	1880	117	2,581,910	907	216,559	1,340,020	2,100,103
Lithographing and engraving.....	1880	210	15,400,127	10,500	7,147,174	6,205,404	17,988,157
	1880	107	4,501,825	4,322	2,307,302	2,755,204	6,012,888
Lock and gun smithing.....	1880	1,308	1,867,220	2,560	1,502,310	222,557	3,153,884
	1880	607	705,815	887	308,007	398,042	1,917,810
Looking-glass and picture frames.....	1880	1,200	8,554,995	9,004	5,257,553	7,000,115	10,970,173
	1880	645	4,437,000	6,189	2,471,105	4,881,248	9,596,210
Lumber and other mill products from logs or bolts.....	1880	21,011	406,330,068	280,107	87,784,433	201,555,018	403,007,575
	1880	25,708	181,186,122	147,050	31,845,074	146,155,385	238,208,720
Lumber, planing mill products, including sash, doors, and blinds.....	1880	8,670	120,271,440	88,888	48,070,080	104,020,884	183,081,552
	1880	2,491	38,070,503	37,187	14,431,054	45,208,402	78,424,081
Malt.....	1880	202	24,203,804	3,004	2,103,200	17,100,074	20,412,550
	1880	210	14,300,441	2,382	1,004,648	14,921,423	18,273,102
Mantels, slate, marble, and marbleized.....	1880	90	1,854,750	1,704	1,100,861	1,254,007	3,127,662
	1880	40	750,300	725	313,009	476,481	1,030,000
Marble and stone work.....	1880	3,973	87,115,193	35,080	25,363,521	23,808,904	62,595,702
	1880	2,816	10,408,221	21,471	10,238,885	12,743,945	31,415,150
Masonry, brick and stone.....	1880	7,715	54,969,408	110,020	77,627,287	90,207,102	204,105,042
	1880	1,501	3,900,700	10,020	6,880,800	10,123,478	20,586,553
Matches.....	1880	27	1,941,002	1,755	514,211	935,008	2,103,038
	1880	37	2,114,850	2,219	506,011	3,298,502	4,608,446
Mats and matting.....	1880	24	302,030	423	212,481	301,691	608,025
	1880	12	212,000	285	125,120	233,707	439,370
Mattresses and spring beds.....	1880	696	6,002,020	7,397	8,600,297	8,727,380	15,083,082
	1880	357	1,749,750	2,304	808,325	3,116,471	5,288,234
Millinery and lace goods.....	1880	278	6,030,210	11,827	5,452,420	8,588,342	18,047,007
	1880	247	2,078,880	6,555	1,001,044	6,142,091	9,577,840
Millinery, custom work (c).....	1880	5,000	16,300,220	20,976	8,045,130	18,750,770	36,983,082
	1880						
Millstones.....	1880	4	40,450	28	17,804	18,294	47,152
	1880	16	178,000	174	90,534	172,725	355,510
Mineral and soda waters.....	1880	1,877	10,781,817	7,717	4,206,808	4,562,803	14,853,745
	1880	512	2,560,501	2,726	1,005,038	2,117,764	4,741,700
Mirrors.....	1880	45	1,005,772	1,542	1,033,235	8,274,181	6,000,533
	1880	7	155,800	77	42,900	212,600	304,000
Mixed textiles (d).....	1880	470	37,090,057	43,378	18,316,758	37,227,741	60,221,708

<sup>a</sup> In 1880 included with "Leather, dressed skins".<sup>b</sup> In 1880 an establishment engaged in both tanning and currying made a separate report for each branch of the industry and was counted twice. In 1890 but one report was received for each establishment.<sup>c</sup> No inquiry respecting this industry in 1880.<sup>d</sup> Included in other classifications in 1880.

TABLE 2.—MANUFACTURES, BY SPECIFIED INDUSTRIES: 1880 AND 1890—Continued.

MECHANICAL AND MANUFACTURING INDUSTRIES.	Year.	Number of establishments reporting.	Capital.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
				Employés.	Wages.		
Models and patterns.....	1890	440	\$1,384,721	2,010	\$1,427,861	\$440,576	\$2,523,305
	1880	230	377,651	739	389,837	108,096	698,830
Mucilage and paste.....	1890	55	748,826	404	109,411	755,034	1,276,611
	1880	4	3,100	9	3,090	8,770	10,700
Musical instruments and materials, not specified.....	1890	293	1,320,320	1,382	862,177	510,604	1,888,013
	1880	84	654,850	573	293,062	385,776	853,746
Musical instruments, organs and materials.....	1890	145	0,800,288	4,989	3,066,477	3,454,720	9,213,188
	1880	171	3,922,338	4,202	2,142,530	2,692,332	6,136,472
Musical instruments, pianos and materials.....	1890	230	18,430,872	13,057	9,847,720	10,470,779	25,766,368
	1880	174	9,869,577	6,675	4,663,183	5,283,110	12,244,521
Needles and pins.....	1890	45	1,820,080	1,080	728,002	450,442	1,515,865
	1880	40	1,144,550	1,077	392,214	501,013	1,378,028
Nets and seines.....	1890	22	1,125,764	650	217,985	634,634	1,002,190
	1880	13	140,050	210	54,112	180,215	291,765
Oakum (a).....	1890	7	275,675	151	57,110	231,733	303,400
	1880						
Oil, castor.....	1890	7	621,798	101	70,131	431,291	573,363
	1880	8	474,000	108	44,714	384,890	653,900
Oil, cottonseed and cake.....	1890	110	12,808,090	6,301	1,007,827	14,363,126	19,335,947
	1880	45	3,862,300	3,319	880,836	5,091,251	7,600,921
Oil, essential.....	1890	67	102,223	220	37,402	129,735	265,847
	1880	124	67,755	278	24,030	125,107	248,858
Oil, illuminating, not including petroleum, refining.....	1890	5	561,400	66	54,418	442,338	590,720
	1880	7	128,500	50	20,950	414,600	510,000
Oil, lard.....	1890	7	481,526	120	82,292	920,650	1,181,613
	1880	28	1,127,500	432	161,072	4,184,450	4,721,006
Oil, linseed.....	1890	62	14,003,358	2,073	1,286,062	10,974,543	23,534,300
	1880	81	5,872,750	1,416	681,077	12,874,294	15,303,812
Oil, lubricating.....	1890	124	4,091,157	1,072	870,470	4,061,184	8,050,530
	1880	51	1,370,225	413	208,145	2,129,680	2,025,501
Oil, neat's-foot (b).....	1890						
	1880	15	438,050	50	16,554	210,524	259,080
Oil, resin.....	1890	8	284,110	117	82,052	535,920	738,680
	1880	3	82,523	23	14,590	189,022	238,471
Oilcloth, enameled.....	1890	9	772,820	307	212,461	983,518	1,603,265
	1880	4	316,000	258	116,627	864,200	1,062,000
Oilcloth, floor.....	1890	19	3,704,436	1,583	887,069	2,380,295	3,877,822
	1880	25	3,429,550	1,735	733,235	3,118,708	4,752,587
Oleomargarine.....	1890	12	634,532	328	245,890	2,175,264	2,988,525
	1880	15	1,680,300	590	212,952	5,486,141	6,802,030
Optical goods.....	1890	191	2,608,176	2,844	1,300,452	1,324,305	3,505,973
	1880	62	643,825	1,088	450,897	417,472	1,182,142
Ordnance and ordnance stores (a).....	1890	4	7,030,001	1,450	1,090,306	743,348	2,424,602
	1880						
Painting and paper hanging.....	1890	10,043	23,135,781	50,281	37,722,550	23,110,359	74,007,998
	1880	3,908	5,645,950	17,711	7,920,866	8,702,780	22,457,500
Paints.....	1890	382	34,000,203	8,737	5,605,020	24,030,582	40,438,171
	1880	244	13,555,202	4,483	2,132,255	17,062,552	23,390,707
Paper.....	1890	567	82,374,000	20,568	13,746,584	42,223,314	74,309,338
	1880	692	46,241,202	24,422	8,525,355	33,951,297	55,109,914
Paper goods, not elsewhere specified (a).....	1890	66	2,022,440	1,647	705,181	2,627,454	4,179,285
	1880						
Paper hangings.....	1890	27	5,708,900	2,814	1,474,788	3,572,027	7,431,726
	1880	25	3,500,500	2,487	874,021	3,629,322	6,207,303
Paper patterns.....	1890	27	156,106	448	153,738	55,260	377,456
	1880	4	105,100	97	40,538	44,000	512,550

<sup>a</sup> Included largely in other classifications in 1880.<sup>b</sup> Included in other classifications in 1890.

TABLE 2.—MANUFACTURES, BY SPECIFIED INDUSTRIES: 1880 AND 1890—Continued.

MECHANICAL AND MANUFACTURING INDUSTRIES.	Year.	Number of establishments reporting.	Capital.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
				Employés.	Wages.		
Patent medicines and compounds.....	1890	1,127	\$18,596,823	9,390	\$5,094,202	\$11,030,010	\$32,020,182
	1880	563	10,020,880	4,025	1,651,506	6,704,720	14,082,494
Paving and paving materials.....	1890	704	12,048,093	22,730	10,450,970	13,801,005	30,044,072
	1880	46	745,750	737	244,330	570,301	1,024,243
Pencil cases (a).....	1890	0	66,025	89	60,088	59,491	164,450
	1880	.....	.....	.....	.....	.....	.....
Pencils, lead.....	1890	5	3,100,836	1,452	580,750	700,378	1,087,600
	1880	4	341,597	390	102,233	97,344	270,427
Pens, fountain and stylographic (a).....	1890	15	142,265	170	102,700	123,214	351,775
	1880	.....	.....	.....	.....	.....	.....
Pens, gold.....	1890	18	473,904	363	280,000	235,028	718,070
	1880	10	370,150	264	172,207	100,000	533,001
Pens, steel.....	1890	3	309,182	511	152,175	56,030	285,250
	1880	3	182,500	280	88,500	38,050	164,000
Perfumery and cosmetics.....	1890	157	2,238,001	1,765	877,670	2,128,420	4,030,141
	1880	67	818,827	741	238,250	1,201,400	2,203,004
Petroleum, refining (b).....	1890	04	77,416,296	12,471	6,080,478	67,018,723	85,001,108
	1880	.....	.....	.....	.....	.....	.....
Photographic apparatus.....	1890	25	302,834	540	308,030	164,620	624,342
	1880	10	90,800	104	41,314	40,058	104,305
Photographic materials.....	1890	45	1,172,640	800	508,200	1,107,200	2,121,387
	1880	5	63,000	63	25,310	80,900	142,000
Photography.....	1890	8,105	7,804,532	10,432	6,405,871	8,802,106	15,488,324
	1880	1,287	3,181,805	3,077	1,751,113	1,071,455	5,935,311
Photolithographing and engraving (a).....	1890	80	1,134,873	1,352	988,808	541,305	2,071,580
	1880	.....	.....	.....	.....	.....	.....
Pickles, preserves, and sauces.....	1890	316	4,913,450	4,252	1,707,319	5,328,541	9,700,855
	1880	100	841,028	930	250,454	1,472,030	2,407,342
Pipes, tobacco.....	1890	69	1,432,753	1,345	730,000	926,668	1,881,202
	1880	37	233,800	645	226,300	200,518	628,688
Plated and britannia ware.....	1890	68	13,150,900	6,910	3,775,305	4,647,800	11,502,060
	1880	55	5,802,025	4,075	2,453,301	4,100,110	8,500,181
Plumbers' supplies (a).....	1890	122	9,078,107	5,485	3,304,214	5,853,700	11,000,464
	1880	.....	.....	.....	.....	.....	.....
Plumbing and gas fitting.....	1890	5,927	29,335,247	42,513	28,762,611	37,735,671	80,005,925
	1880	2,101	5,050,512	9,084	4,770,380	9,085,308	18,133,250
Pocketbooks.....	1890	62	1,121,834	1,348	661,002	908,948	2,105,402
	1880	53	598,350	1,413	484,047	830,039	1,769,030
Postal cards (c).....	1890	.....	.....	.....	.....	.....	.....
	1880	1	20,000	28	10,000	200,000	190,000
Printing and publishing.....	1890	16,506	105,887,445	105,227	105,083,075	68,858,915	275,452,515
	1880	3,467	62,083,704	58,478	30,531,057	32,400,305	80,780,341
Printing materials.....	1890	64	1,370,487	866	486,100	567,638	1,450,434
	1880	27	199,000	101	98,878	100,363	421,316
Pulp goods (a).....	1890	9	418,045	276	130,034	122,851	362,582
	1880	.....	.....	.....	.....	.....	.....
Pulp, wood.....	1890	82	7,455,449	2,830	1,228,001	2,005,106	4,627,706
	1880	50	1,898,450	1,200	444,778	610,835	2,250,946
Pulp, from fiber other than wood (a).....	1890	7	583,837	108	93,256	126,902	524,243
	1880	.....	.....	.....	.....	.....	.....
Pumps, not including steam pumps.....	1890	256	3,540,097	2,140	1,145,145	1,081,275	4,103,410
	1880	411	2,383,482	1,731	652,740	2,038,034	3,644,631
Racking hose (d).....	1890	.....	500	2	1,200	1,350	5,512
	1880	1	.....	.....	.....	.....	.....

<sup>a</sup> Included largely in other classifications in 1880.<sup>b</sup> In 1880 "Petroleum, refining" formed part of a separate report, and was not included in the general statistics of manufacture.<sup>c</sup> Included in other classifications in 1890.<sup>d</sup> See group "All other industries" at end of table.

TABLE 2.—MANUFACTURES, BY SPECIFIED INDUSTRIES: 1880 AND 1890—Continued.

MECHANICAL AND MANUFACTURING INDUSTRIES.	Year.	Number of establishments reporting.	Capital.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
				Employés.	Wages.		
Refrigerators.....	1890	82	\$9,367,329	2,373	\$1,252,765	\$2,377,958	\$4,513,016
	1880	71	727,220	1,053	423,680	881,842	1,730,731
Regalia and society banners and emblems.....	1890	137	1,841,193	2,379	1,044,722	1,246,006	3,203,890
	1880	47	452,590	589	174,097	429,227	815,638
Registers, car fare.....	1890	7	74,725	101	64,074	32,618	141,320
	1880	1	300,000	7	4,876	870	0,690
Registers, cash (a).....	1890	5	292,150	742	434,140	222,576	1,281,500
	1880	.....	.....	.....	.....	.....	.....
Rice, cleaning and polishing.....	1890	32	2,073,884	743	310,593	5,001,206	6,603,106
	1880	22	502,200	516	110,467	2,066,497	3,133,324
Roofing and roofing materials.....	1890	2,140	18,308,507	13,333	8,558,026	14,712,370	20,412,813
	1880	493	2,329,277	3,082	1,411,133	3,382,354	6,227,284
Rubber and elastic goods.....	1890	180	13,703,737	9,802	4,516,206	11,113,528	18,708,017
	1880	90	6,057,987	2,268	2,205,972	9,240,007	13,751,724
Rubber, vulcanized (b).....	1890	.....	.....	.....	.....	.....	.....
	1880	3	226,200	495	154,700	301,200	707,200
Rules, ivory and wood.....	1890	18	172,018	163	74,127	34,925	154,173
	1880	0	54,200	56	19,971	10,075	00,200
Saddlery and harness.....	1890	7,991	35,346,020	80,326	16,030,845	24,074,225	52,070,801
	1880	7,000	16,508,010	21,446	7,997,752	10,968,716	38,081,643
Safes and vaults.....	1890	80	4,003,118	4,131	2,394,825	2,035,313	0,641,844
	1880	40	2,201,000	2,206	1,090,504	1,431,083	3,359,306
Salt*.....	1890	200	13,437,740	4,455	1,782,401	1,820,770	5,484,018
	1880	208	8,225,740	4,280	1,200,023	2,074,040	4,829,566
Salt, ground (c).....	1890	.....	.....	.....	.....	.....	.....
	1880	8	322,900	204	44,007	280,693	301,656
Sand and emery paper and cloth.....	1890	0	705,057	253	150,480	781,505	1,249,047
	1880	0	121,500	82	30,070	148,477	282,374
Saws.....	1890	95	6,818,373	2,043	1,850,694	2,346,401	5,572,002
	1880	80	3,281,135	2,506	1,226,370	1,744,083	3,043,105
Scales and balances.....	1890	76	1,658,055	1,500	837,575	867,955	2,822,744
	1880	64	3,814,981	1,554	783,019	654,711	3,252,460
Screws.....	1890	27	7,244,580	2,764	1,100,408	1,232,377	3,500,086
	1880	20	4,205,000	1,585	450,542	935,800	2,148,532
Sewing machine cases.....	1890	7	1,430,403	1,842	886,725	900,430	2,240,551
	1880	18	741,300	1,822	683,838	1,230,400	2,034,837
Sewing machine repairing (a).....	1890	166	192,593	395	201,066	86,816	385,041
	1880	.....	.....	.....	.....	.....	.....
Sewing machines and attachments.....	1890	59	16,043,130	9,121	5,170,555	3,502,173	12,823,147
	1880	106	12,501,830	9,553	4,080,090	4,820,106	10,803,188
Shingles, split (d).....	1890	.....	.....	.....	.....	.....	.....
	1880	45	17,770	193	11,394	20,470	47,052
Shipbuilding.....	1890	1,010	53,303,074	25,084	16,028,847	16,925,109	40,342,115
	1880	2,188	20,079,874	21,345	12,713,813	10,730,358	36,800,327
Shirts.....	1890	800	14,273,611	32,750	10,704,003	15,704,353	33,638,503
	1880	540	6,841,778	25,087	5,408,006	11,300,444	20,180,031
Shoddy.....	1890	94	8,754,068	2,290	856,582	6,003,035	7,887,000
	1880	73	1,165,100	1,282	400,320	3,806,050	4,980,015
Show cases.....	1890	99	1,208,022	1,500	876,150	1,077,845	2,509,557
	1880	93	841,970	602	320,230	510,585	1,172,172
Silk and silk goods.....	1890	472	51,007,537	50,913	19,680,318	51,004,425	87,298,454
	1880	382	19,125,300	31,897	8,146,705	22,407,701	41,033,045
Silversmithing.....	1890	24	410,778	814	253,652	204,297	621,507
	1880	38	257,108	131	76,640	102,058	263,931

<sup>a</sup> Included largely in other classifications in 1880.<sup>b</sup> See group "All other industries" at end of table.<sup>c</sup> In 1890 included with "Salt".<sup>d</sup> In 1890 included with "Timber products, not manufactured at mill".

TABLE 2.—MANUFACTURES, BY SPECIFIED INDUSTRIES: 1880 AND 1890—Continued.

MECHANICAL AND MANUFACTURING INDUSTRIES.	Year.	Number of establishments reporting.	Capital.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
				Em- ployés.	Wages.		
Silverware .....	1890	30	\$5,317,641	2,306	\$1,618,429	\$2,129,344	\$5,813,737
	1880	30	1,640,000	1,029	675,043	1,028,502	2,253,630
Slaughtering and meat packing, not including retail butchering establishments.	1890	1,367	118,010,066	49,052	20,403,249	482,897,381	564,007,035
	1880	872	40,410,213	27,297	10,568,580	207,738,002	303,502,413
Smelting and refining .....	1890	50	9,425,012	1,765	1,122,353	25,285,191	28,188,820
	1880	4	162,100	311	158,300	8,171,900	8,411,100
Soap and candles.....	1890	578	24,821,069	9,305	4,051,048	28,087,412	43,600,285
	1880	620	14,541,204	6,280	2,210,513	19,907,444	20,552,027
Soda water apparatus.....	1890	12	8,854,028	603	728,121	1,010,202	2,711,870
	1880	8	413,000	332	160,235	505,538	1,075,500
Sporting goods.....	1890	136	1,003,776	2,190	881,970	1,110,806	2,709,440
	1880	86	1,444,750	1,401	411,854	692,010	1,556,258
Springs, steel, car and carriage .....	1890	57	3,450,422	1,892	1,174,770	2,210,408	4,331,571
	1880	50	1,700,293	1,530	690,412	2,340,818	3,054,802
Stamped ware.....	1890	99	8,002,888	7,075	8,002,872	5,220,888	10,475,271
	1880	20	2,175,040	2,382	808,043	2,104,141	3,512,428
Starch.....	1890	80	4,020,155	8,121	1,180,017	5,153,677	8,034,517
	1880	139	5,328,250	3,110	910,107	4,911,000	7,477,742
Stationery goods, not elsewhere specified.	1890	200	5,372,300	4,700	2,268,400	5,208,761	9,292,017
	1880	150	3,286,325	3,117	1,150,893	9,501,426	6,808,322
Steam fittings and heating apparatus..	1890	217	17,017,364	11,779	7,504,395	10,028,314	23,147,434
	1880	95	9,075,751	2,474	1,805,730	2,857,000	5,127,842
Steam packing (a).....	1890	34	538,504	418	220,174	357,810	1,003,372
	1880	.....	.....	.....	.....	.....	.....
Stencils and brands .....	1890	100	445,105	409	345,377	107,500	732,611
	1880	104	224,525	305	130,030	144,654	472,514
Stereotyping and electrotyping .....	1890	81	1,892,120	1,475	1,068,001	500,744	2,188,009
	1880	45	536,000	642	312,208	200,401	724,080
Straw goods, not elsewhere specified....	1890	6	106,750	433	120,088	194,045	320,987
	1880	77	3,333,560	10,048	2,550,197	5,465,550	9,345,759
Sugar and molasses, beet (b).....	1890	.....	.....	.....	.....	.....	.....
	1880	4	305,000	350	62,271	186,128	282,572
Sugar and molasses, refining .....	1890	393	24,019,008	7,520	2,815,275	107,758,811	120,118,250
	1880	49	27,432,500	5,867	2,875,032	144,008,400	155,484,915
Surgical appliances.....	1890	155	850,806	012	540,318	524,488	1,050,033
	1880	71	849,142	477	205,972	286,720	900,303
Tar and turpentine.....	1890	670	4,062,375	15,315	2,933,491	2,874,693	8,077,379
	1880	508	1,860,390	10,535	1,023,001	2,324,637	5,876,083
Taxidermy.....	1890	63	203,112	155	102,237	37,727	231,773
	1880	16	25,760	150	22,000	21,850	82,500
Toasels (c).....	1890	5	61,400	72	21,584	50,302	84,700
	1880	.....	.....	.....	.....	.....	.....
Thread, linen (b).....	1890	.....	.....	.....	.....	.....	.....
	1880	1	500,000	030	260,000	750,000	1,200,000
Timber products, not manufactured at mill. (a)	1890	1,006	61,541,080	46,142	11,950,008	11,000,078	34,280,807
	1880	.....	.....	.....	.....	.....	.....
Tinsmithing, coppersmithing, and sheet-iron working.	1890	7,002	38,434,900	38,442	21,036,875	31,217,522	60,633,746
	1880	7,693	29,167,392	27,116	11,249,276	26,400,228	56,183,811
Tinfoil (b).....	1890	.....	.....	.....	.....	.....	.....
	1880	4	680,000	180	100,078	198,042	416,849
Tobacco, chewing, smoking, and snuff..	1890	905	80,841,316	31,267	8,568,071	29,192,249	65,843,587
	1880	477	17,207,401	32,756	6,419,024	34,397,072	52,703,056
Tobacco, cigars and cigarettes.....	1890	10,056	50,517,827	98,156	44,767,080	50,208,000	120,693,275
	1880	7,145	21,698,540	58,297	18,404,502	29,577,833	63,070,575

<sup>a</sup> Included largely in other classifications in 1880.<sup>b</sup> See group "All other industries" at end of table.<sup>c</sup> No reports received for this industry in 1880.

TABLE 2.—MANUFACTURES, BY SPECIFIED INDUSTRIES: 1880 AND 1890—Continued.

MECHANICAL AND MANUFACTURING INDUSTRIES.	Year.	Number of establishments reporting.	Capital.	AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
				Employees.	Wages.		
Tobacco, stemming and rehandling.....	1890	292	\$5,735,610	6,504	\$1,455,940	\$12,813,108	\$16,209,761
	1880	52	1,089,342	1,534	170,871	1,409,502	1,807,535
Tools, not elsewhere specified.....	1890	402	11,376,622	7,005	4,144,838	3,517,269	10,528,025
	1880	145	4,384,109	3,151	1,489,531	1,532,556	4,236,668
Toys and games.....	1890	130	2,781,185	3,440	1,340,850	1,453,738	3,749,755
	1880	106	915,575	2,106	512,786	595,833	1,562,513
Trunks and valises.....	1890	395	6,900,756	6,785	3,513,740	4,703,082	10,821,621
	1880	265	2,792,256	4,534	1,786,586	3,010,133	7,252,470
Type founding.....	1890	38	4,968,800	2,172	1,401,740	1,434,002	3,916,904
	1880	48	2,772,600	1,986	958,693	660,748	2,330,208
Typewriters and supplies (a).....	1890	80	1,421,783	1,735	1,078,203	632,723	3,630,126
	1880						
Umbrellas and canes.....	1890	435	5,040,280	6,863	3,204,797	7,562,021	13,771,027
	1880	172	2,058,725	3,608	1,158,682	4,502,777	6,017,163
Upholstery materials.....	1890	152	4,427,654	3,479	1,454,002	3,013,253	6,733,039
	1880	70	1,090,200	1,477	523,417	1,023,154	1,837,705
Varnish.....	1890	140	11,308,943	1,851	1,749,061	7,805,063	13,795,510
	1880	81	3,778,100	573	300,710	3,099,084	5,721,174
Vault lights and ventilators.....	1890	15	175,225	205	160,504	185,520	455,413
	1880	12	138,450	115	66,204	108,981	273,305
Veneering (b).....	1890						
	1880	5	261,500	141	35,730	137,082	292,205
Vinegar and cider.....	1890	694	5,858,395	3,388	1,149,060	3,268,455	6,040,300
	1889	306	2,151,706	1,257	413,451	1,888,173	3,418,038
Washing machines and clothes wringers.....	1890	163	1,712,953	1,230	580,523	1,354,550	2,489,176
	1880	61	652,549	476	176,287	687,043	1,182,714
Watch and clock materials.....	1890	32	661,784	563	292,407	314,074	787,310
	1880	20	117,550	278	86,050	130,315	300,195
Watch cases.....	1890	45	4,727,100	3,809	2,116,286	5,022,455	8,618,470
	1880	27	1,584,740	1,758	970,041	2,812,822	4,580,314
Watch, clock, and jewelry repairing.....	1890	4,502	6,057,125	8,647	5,510,505	2,225,888	10,704,477
	1880	1,202	1,704,571	1,057	866,996	763,249	2,712,810
Watches.....	1890	19	10,106,114	6,675	3,688,027	905,740	6,051,000
	1880	11	4,144,327	3,346	1,712,276	982,224	3,271,244
Whalebone and rattan.....	1890	9	221,358	70	53,713	555,173	682,977
	1880	12	166,450	175	75,003	371,450	526,777
Wheelbarrows.....	1890	26	1,116,359	620	207,508	637,720	1,185,565
	1880	22	206,200	239	72,489	101,853	227,392
Whips.....	1890	81	1,032,404	1,087	544,522	821,614	2,153,818
	1880	88	1,078,070	1,056	415,007	701,225	1,098,633
Windmills.....	1890	77	2,463,231	1,295	601,583	1,123,947	2,475,050
	1880	69	697,100	586	244,197	523,594	1,010,512
Window shades.....	1890	182	4,167,457	2,309	1,437,771	5,341,874	9,239,660
	1880	131	1,385,515	1,279	479,133	1,635,700	2,826,518
Wire.....	1890	24	11,607,085	7,804	4,183,802	15,038,540	22,012,804
	1880	40	4,230,071	6,109	1,982,731	7,034,065	10,836,605
Wirework, including wire rope and cable.....	1890	569	11,757,002	7,917	3,983,209	8,325,435	15,552,857
	1880	305	3,681,893	4,459	1,708,165	5,410,034	9,127,818
Wood, preserving.....	1890	4	202,718	95	42,000	50,097	143,475
	1880	2	120,000	36	14,717	62,700	101,110
Wood, turned and carved.....	1890	872	7,825,068	8,430	4,226,023	3,047,227	10,039,647
	1880	916	4,482,800	7,240	2,585,578	3,037,950	8,426,817
Woodenware, not elsewhere specified ..	1890	167	2,711,609	3,101	1,237,334	1,408,773	3,507,602
	1880	287	3,006,794	5,033	1,539,571	2,035,720	5,235,474

<sup>a</sup> No reports received for this industry in 1880.<sup>b</sup> Included in other classifications in 1890.

TABLE 2.—MANUFACTURES, BY SPECIFIED INDUSTRIES: 1880 AND 1890—Continued.

MECHANICAL AND MANUFACTURING INDUSTRIES.	Year.	Number of establishments reporting.	Capital.	AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
				Employes.	Wages.		
Wool hats.....	1890	32	\$4,142,224	3,592	\$1,363,944	\$2,802,041	\$5,329,921
	1880	43	3,015,830	5,470	1,893,215	4,785,774	8,516,560
Woolen goods.....	1890	1,311	130,980,940	79,351	28,478,931	82,270,935	133,577,977
	1880	1,900	66,065,561	86,504	25,830,392	100,845,611	160,606,721
Worsted goods .....	1890	143	68,085,116	43,593	15,880,183	50,700,760	79,194,652
	1880	70	20,374,043	18,893	5,683,027	22,013,628	33,549,042
Zinc.....	1890	8	1,007,320	1,082	653,000	2,005,082	2,970,730
	1880	16	2,022,600	1,298	666,970	1,771,055	2,725,105
All other industries (a).....	1890	12	2,052,222	1,748	622,080	1,773,808	3,132,145
	1880						

(a) Embraces fuel, artificial, 2; phonographs and graphophones, 2; racking hose, 1; rubber, vulcanized, 1; sugar and molasses, beet, 2; thread, linen, 2; tinfoil, 2.

TABLE 3.—CAPITAL INVESTED, MISCELLANEOUS EXPENSES, AND EMPLOYÉS

STATES AND TERRITORIES.	CAPITAL INVESTED.					Miscella-neous expenses.	
	Plant.				Live assets.		
	Total.	Land.	Buildings.	Machinery, tools, and implements.			
1 The United States...	\$3,298,493,976	\$775,580,849	\$878,570,737	\$1,584,276,390	\$3,280,722,510	\$631,225,035	
2 Alabama.....	83,837,984	6,222,432	6,487,089	21,128,463	12,284,587	2,797,890	
3 Alaska.....	96,703	4,250	28,350	66,103	9,024	5,252	
4 Arizona.....	388,290	24,120	70,240	282,930	233,330	49,281	
5 Arkansas.....	10,448,236	2,707,058	1,782,009	5,057,600	4,623,378	1,035,107	
6 California.....	80,094,604	21,352,256	15,898,565	42,753,783	66,792,408	12,984,101	
7 Colorado.....	14,011,757	3,028,703	3,005,408	8,217,556	11,740,083	1,948,025	
8 Connecticut.....	101,457,990	14,781,994	84,495,124	52,180,881	125,546,497	16,890,101	
9 Delaware.....	16,707,008	3,494,802	5,394,517	7,818,280	16,987,702	1,851,575	
10 District of Columbia.....	19,978,031	5,438,766	5,390,278	8,543,807	9,486,158	1,580,800	
11 Florida.....	7,277,120	2,485,180	1,070,512	3,702,472	3,833,184	1,131,007	
12 Georgia.....	36,137,095	8,034,507	9,072,200	10,031,102	20,783,615	4,019,530	
13 Idaho.....	610,560	80,560	140,108	389,892	432,356	60,586	
14 Illinois.....	236,825,020	61,986,913	68,754,214	106,084,493	205,170,402	70,615,103	
15 Indiana.....	62,623,201	11,327,139	20,252,707	81,043,355	68,082,105	16,500,903	
16 Indian territory.....	147,740	5,800	27,400	114,540	50,580	11,590	
17 Iowa.....	30,001,363	10,322,103	11,375,700	17,303,454	38,511,744	5,792,205	
18 Kansas.....	23,913,090	4,716,900	8,784,553	10,462,237	20,012,912	5,853,406	
19 Kentucky.....	36,712,121	7,408,638	12,127,764	17,115,724	43,090,850	16,870,728	
20 Louisiana.....	20,976,072	4,882,108	4,764,188	11,320,783	13,778,040	3,700,763	
21 Maine.....	41,183,178	7,198,630	12,039,040	21,045,499	39,230,081	5,304,601	
22 Maryland.....	58,204,099	13,505,147	17,708,300	26,004,483	61,402,317	10,616,347	
23 Massachusetts.....	274,781,845	40,926,844	83,806,371	140,948,330	355,250,496	63,083,782	
24 Michigan.....	135,607,551	61,557,730	24,209,785	49,840,031	126,744,680	18,348,381	
25 Minnesota.....	65,377,472	27,382,880	12,507,005	25,476,978	62,809,146	12,130,012	
26 Mississippi.....	9,989,714	2,006,782	2,447,028	5,535,904	4,007,170	827,027	
27 Missouri.....	86,655,857	21,388,383	25,100,728	40,070,746	102,002,689	22,885,505	
28 Montana.....	2,448,313	561,205	689,105	1,197,883	1,845,481	280,084	
29 Nebraska.....	20,410,168	4,668,810	7,405,566	8,281,782	17,163,350	5,305,242	
30 Nevada.....	694,510	203,410	104,123	206,977	516,759	53,860	
31 New Hampshire.....	41,210,034	8,392,436	10,884,070	21,033,519	38,104,226	4,303,192	
32 New Jersey.....	126,043,466	20,057,714	40,777,779	61,807,973	122,102,270	18,458,052	
33 New Mexico.....	717,750	60,507	185,295	471,948	248,188	76,036	
34 New York.....	532,758,968	120,861,115	141,542,105	270,350,446	597,407,220	122,042,210	
35 North Carolina.....	20,230,772	3,730,403	4,032,801	11,570,508	12,506,223	3,329,101	
36 North Dakota.....	1,648,130	201,100	498,520	943,450	1,251,423	236,000	
37 Ohio.....	182,028,997	38,125,149	58,206,728	86,292,120	220,100,022	45,002,325	
38 Oklahoma.....	72,036	13,412	8,410	51,114	22,583	21,070	
39 Oregon.....	10,865,297	8,147,763	4,380,451	7,337,083	12,250,764	2,108,008	
40 Pennsylvania.....	505,477,195	111,850,797	105,112,770	258,504,028	485,705,920	74,841,468	
41 Rhode Island.....	68,013,492	8,980,088	10,294,190	30,738,005	58,400,000	8,825,407	
42 South Carolina.....	18,217,734	2,981,486	5,501,070	9,644,578	11,058,527	1,702,330	
43 South Dakota.....	2,164,020	322,355	512,142	1,320,023	1,043,770	268,214	
44 Tennessee.....	29,895,690	6,441,558	7,263,089	16,190,443	21,570,402	4,120,271	
45 Texas.....	30,351,007	8,405,546	6,090,177	15,705,884	16,403,574	3,504,940	
46 Utah.....	3,608,045	1,281,206	838,690	1,483,050	2,079,977	455,008	
47 Vermont.....	10,825,322	3,006,967	4,005,006	8,223,280	15,037,960	2,188,820	
48 Virginia.....	34,962,393	7,041,581	9,572,702	18,348,110	28,404,400	7,421,087	
49 Washington.....	21,543,394	9,183,892	3,048,086	8,766,916	12,820,941	2,180,597	
50 West Virginia.....	10,464,520	3,615,007	4,138,734	8,710,179	11,653,510	1,960,020	
51 Wisconsin.....	126,455,518	57,706,281	24,461,110	43,223,127	121,050,888	18,602,704	
52 Wyoming.....	811,838	140,360	209,721	455,748	599,346	94,073	

## MANUFACTURES.

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AND WAGES IN MANUFACTURES, BY STATES AND TERRITORIES: 1890.

AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.										
Officers, firm members, and clerks.		Operatives, skilled and unskilled.				Pieceworkers.				
Number.	Wages.	Males above 16 years.	Females above 15 years.	Children.	Total wages.	Males above 16 years.	Females above 15 years.	Children.	Total wages.	
461,009	\$301,988,208	2,881,795	505,712	104,522	\$1,500,510,097	445,247	297,974	16,363	\$300,711,324	1
2,084	1,870,282	25,810	1,040	1,344	9,875,834	2,032	215	81	928,013	2
8	3,548	78			18,625					3
70	55,081	430	0	0	209,020	4				4
1,820	1,100,702	12,725	382	853	4,471,000	552	81	50	178,180	5
10,040	10,365,802	50,500	6,008	1,518	35,305,644	8,400	4,800	844	5,807,274	6
2,051	2,418,320	12,800	1,114	272	9,357,167	622	100		515,298	7
9,425	9,625,280	83,805	23,095	2,750	52,784,980	17,428	13,010	928	13,080,331	8
1,427	1,261,912	14,580	2,009	1,004	7,002,510	1,033	881	276	1,027,965	9
2,098	2,358,122	15,360	2,599	128	10,810,522	1,254	500	5	1,417,020	10
808	504,454	8,612	715	180	3,808,088	3,027	597	79	2,110,526	11
4,085	2,688,200	40,908	4,831	3,177	18,717,504	1,870	1,107	844	906,492	12
107	68,205	614	21	17	251,937	15			8,970	13
31,080	28,650,314	213,705	23,080	4,973	124,558,001	28,087	9,221	468	18,334,274	14
13,759	9,172,718	82,050	6,847	2,008	35,873,593	12,810	5,408	847	6,708,665	15
8	6,008	146	3	7	68,472	11			4,760	16
8,187	5,440,977	41,418	3,300	1,420	18,743,380	2,792	1,787	218	1,086,240	17
4,000	3,040,310	20,022	1,641	603	12,165,880	1,824	909	278	1,122,295	18
9,021	6,494,915	30,150	5,425	1,895	17,083,441	6,805	2,855	908	3,043,390	19
3,524	3,036,905	15,098	2,836	533	7,002,646	4,969	3,002	79	2,610,028	20
5,400	3,563,035	40,714	11,923	1,248	18,819,503	6,107	6,128	1,194	4,142,980	21
9,240	7,085,418	52,404	14,564	3,307	27,104,055	14,357	11,868	718	7,330,750	22
37,012	33,826,172	250,871	88,382	7,757	103,250,517	54,280	45,070	910	42,584,820	23
15,207	11,364,802	118,803	8,369	2,320	48,151,201	14,873	4,488	315	9,881,705	24
9,820	7,818,116	50,610	4,170	653	27,707,683	3,912	1,832	107	2,673,640	25
1,352	722,100	11,070	820	683	8,083,840	641	407	228	208,408	26
18,030	16,773,035	90,807	11,750	3,168	61,028,108	11,551	6,544	823	7,715,321	27
310	205,800	2,105	62	11	1,470,431	195	13		181,082	28
3,420	2,713,093	17,434	1,230	611	9,830,977	829	243	103	434,501	29
02	68,068	411	14	1	331,800	132			44,735	30
3,250	2,320,704	32,702	16,926	1,987	18,610,413	4,747	4,007	282	3,307,877	31
13,020	13,834,618	106,430	23,082	4,771	65,930,821	24,031	14,013	542	17,004,207	32
06	32,366	703	0	15	453,858	25	7		10,503	33
98,018	66,400,083	453,552	107,857	10,470	297,817,700	91,901	80,403	1,709	72,502,703	34
2,589	1,278,415	21,252	5,174	3,755	5,972,765	1,413	1,053	978	570,936	35
348	243,749	1,331	83	16	718,428	67	2		46,704	36
38,506	30,321,084	209,451	24,043	5,406	108,983,605	35,440	16,588	1,145	19,404,104	37
48	19,502	132	3	11	51,926	1			400	38
2,038	1,975,405	14,694	649	107	0,123,342	1,000	157	3	496,302	39
60,160	42,215,788	403,055	58,770	19,582	228,992,040	57,284	33,256	2,897	39,382,275	40
4,865	4,688,008	46,055	20,940	5,625	30,142,728	3,020	4,602	200	3,090,635	41
1,914	1,110,244	15,901	3,476	2,264	5,185,185	703	290	46	280,554	42
411	265,725	1,709	123	35	704,466	77	6	1	88,227	43
5,272	3,942,171	30,549	2,681	1,333	12,510,026	2,005	042	237	1,040,554	44
4,681	3,437,843	20,080	1,006	890	14,240,788	1,805	371	82	898,707	45
031	524,540	3,303	417	185	2,010,207	204	68	22	181,058	46
2,775	1,068,006	17,705	2,145	843	7,818,330	1,100	600	46	600,217	47
0,025	3,827,920	84,083	5,047	2,498	13,290,292	5,081	3,708	749	2,526,698	48
1,689	1,640,720	17,181	455	128	10,500,053	883	28	1	505,241	49
2,620	1,410,218	14,003	912	763	5,881,185	2,111	543	48	1,030,504	50
12,025	8,885,441	90,224	6,070	1,727	98,010,090	9,096	6,081	208	4,917,577	51
122	91,477	901	57	5	743,464	56	8		43,705	52

TABLE 4.—CAPITAL INVESTED, MISCELLANEOUS EXPENSES, AND EMPLOYÉS

MECHANICAL AND MANUFACTURING INDUSTRIES, (a)	CAPITAL INVESTED.					Miscella- neous expenses.	
	Plant.			Machinery, tools, and imple- ments.	Live assets,		
	Total.	Land.	Buildings.				
1 Agricultural implements.....	\$61,811,412	\$6,246,748	\$13,671,576	\$11,893,088	\$113,502,585	\$11,129,548	
2 Ammunition.....	2,398,482	453,045	1,046,593	898,845	1,979,016	202,856	
3 Artificial feathers and flowers. (See also Millinery and lace goods.)	391,734	105,980	60,000	225,834	2,690,004	320,446	
4 Artificial limbs. (See also Surgical appliances.)	84,385	13,110	8,150	63,125	102,511	40,170	
5 Artists' materials.....	110,005	27,125	27,510	64,460	242,305	45,400	
6 Awnings, tents, and sails.....	422,538	93,560	78,400	250,578	2,640,471	325,863	
7 Axle grease.....	195,217	71,000	63,600	60,617	256,011	50,158	
8 Babbitt metal and solder.....	256,475	101,550	88,350	66,575	698,179	49,866	
9 Bagging, flax, hemp, and jute.....	1,064,200	202,800	402,400	1,290,000	1,367,902	122,272	
10 Bags, other than paper.....	1,740,190	204,700	455,400	1,020,000	4,275,495	346,880	
11 Bags, paper.....	870,400	71,230	112,850	695,371	1,442,337	216,584	
12 Baking and yeast powders.....	976,593	257,170	319,575	390,848	2,611,320	705,991	
13 Baskets and rattan and willow ware. (See also Whalebone and rattan.)	852,325	168,243	340,875	343,207	1,850,388	250,471	
14 Bellows.....	43,775	8,550	12,000	22,325	102,200	13,655	
15 Bells. (See also Foundry and machine shop products.)	230,880	70,300	72,890	87,690	350,540	36,058	
16 Belting and hose, leather.....	1,088,371	255,700	299,800	532,871	3,885,049	268,278	
17 Belting and hose, linen.....	430,530	66,000	107,600	250,930	385,370	46,332	
18 Belting and hose, rubber.....	1,035,943	487,070	492,991	955,882	3,334,125	282,643	
19 Bicycle and tricycle repairing.....	78,808	6,400	7,390	65,108	93,202	24,067	
20 Bicycles and tricycles.....	926,421	22,650	330,371	564,400	1,131,651	242,018	
21 Billiard tables and materials.....	380,070	97,000	91,000	192,070	1,076,554	142,431	
22 Blacking. (See also Cleansing and polishing preparations.)	431,390	57,765	79,725	293,906	971,691	264,715	
23 Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	20,524,743	7,282,284	7,588,296	5,054,163	13,975,390	2,510,586	
24 Blutting.....	52,847	11,520	12,220	20,107	131,625	21,736	
25 Bone, ivory, and lamp black. (See also Paints.)	1,216,408	618,900	306,333	201,175	411,243	84,872	
26 Bookbinding and blank-book making. (See also Printing and publishing.)	4,321,702	215,245	258,438	3,848,010	5,740,332	1,214,297	
27 Boot and shoe cut stock.....	787,354	104,505	180,325	403,434	4,014,480	411,472	
28 Boot and shoe findings.....	827,562	97,215	124,305	406,042	1,165,561	163,865	
29 Boot and shoe uppers.....	334,097	83,700	90,240	160,157	881,029	125,707	
30 Boots and shoes, custom work and repairing.....	8,296,361	2,886,383	3,233,353	2,176,025	5,033,729	2,786,701	
31 Boots and shoes, factory product.....	21,527,403	2,100,160	5,403,870	13,873,304	73,754,908	9,217,510	
32 Boots and shoes, rubber.....	3,515,202	403,015	1,064,992	1,380,505	14,275,768	943,918	
33 Bottling. (See also Liquors, malt; Mineral and soda waters.)	3,195,945	640,077	906,810	1,340,010	2,460,700	728,173	
34 Boxes, cigar.....	1,371,787	260,015	317,805	703,307	2,002,064	337,496	
35 Boxes, fancy and paper. (See also Fancy articles, not elsewhere specified.)	3,054,074	533,730	803,080	2,557,855	5,323,299	941,498	
36 Boxes, wooden, packing. (See also Lumber, planing-mill products, including sash, doors, and blinds.)	6,170,885	1,668,733	1,037,710	2,864,433	6,847,571	1,011,900	
37 Brass.....	801,735	106,800	330,800	424,135	946,884	53,046	
38 Brass and copper, rolled.....	3,423,815	510,000	1,380,815	1,533,000	4,017,778	321,703	
39 Brass castings and brass finishing. (See also Bronze castings; Plumbers' supplies.)	8,451,450	1,842,848	2,440,007	4,168,614	10,211,827	1,222,980	
40 Brassware.....	4,153,067	626,250	1,255,405	2,271,352	6,712,034	844,475	
41 Bread and other bakery products.....	30,283,790	9,480,550	11,555,107	9,248,124	15,474,000	6,388,722	
42 Brick and tile. (See also Clay and pottery products.)	53,029,375	21,031,133	14,001,046	17,997,100	28,049,101	5,108,760	
43 Bridges.....	4,251,486	755,768	978,252	2,517,406	6,708,732	652,047	
44 Bronze castings. (See also Brass castings and brass finishing.)	217,002	71,219	44,539	101,244	493,188	68,001	
45 Brooms and brushes.....	2,260,507	575,470	853,450	840,587	5,474,325	611,554	
46 Buttons.....	1,292,943	98,664	208,185	956,094	1,820,322	256,840	
47 Calcimine lights.....	51,818	5,000	2,000	44,818	21,584	6,600	
48 Cardboard. (See also Paper.).....	282,063	30,000	74,898	177,165	334,485	38,281	
49 Card cutting and designing.....	41,107	3,050	2,200	35,857	48,477	9,780	
50 Carpentry.....	22,347,004	7,986,520	6,940,728	7,410,756	59,105,841	10,945,017	
51 Carpets and rugs, other than rag. (See also Woolen goods.)	17,375,384	2,884,130	5,550,458	8,031,787	20,833,458	1,810,441	
52 Carpets, rag.....	611,805	217,288	283,145	111,372	303,576	78,132	
53 Carpets, wood.....	210,850	75,000	37,000	78,850	122,150	41,781	
54 Carriage and wagon materials.....	5,015,063	994,335	1,655,968	3,204,700	7,113,098	821,743	
55 Carriages and sleighs, children's.....	1,122,872	283,200	451,460	388,212	2,035,540	248,126	

a The totals for the United States for this table will be found in Table 3, being identical.

## MANUFACTURES.

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AND WAGES IN MANUFACTURES, BY SPECIFIED INDUSTRIES: 1890.

AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.										
Officers, firm members, and clerks.		Operatives, skilled and unskilled.				Pieceworkers.				
Number.	Wages.	Males above 16 years.	Females above 16 years.	Children.	Total wages.	Males above 16 years.	Females above 16 years.	Children.	Total wages.	
3,717	\$3,704,067	30,435	84	204	\$13,957,405	7,802	204	8	\$4,149,080	1
100	140,531	1,371	616	9	943,707	10	138	14	26,244	2
478	555,270	642	2,940	47	1,250,022	337	2,370	12	800,284	3
88	86,932	144	3	7	100,113	7	1	-----	2,325	4
64	63,115	124	21	8	75,000	86	2	1	26,530	5
737	620,506	1,894	958	21	1,615,827	85	175	2	65,002	6
68	73,467	113	9	4	61,042	-----	-----	-----	-----	7
88	103,946	100	3	-----	84,147	1	-----	-----	100	8
42	66,831	1,485	1,416	138	822,230	-----	78	-----	26,162	9
243	260,554	1,015	1,168	55	845,115	303	690	206	356,342	10
182	180,378	506	530	11	363,217	30	117	-----	36,497	11
426	426,880	830	501	21	652,305	34	42	4	21,840	12
429	265,114	1,273	261	100	665,918	1,082	396	125	368,703	13
21	16,744	60	-----	5	36,050	15	-----	-----	6,680	14
58	43,447	207	14	3	162,080	58	-----	-----	41,100	15
270	334,180	1,281	26	20	777,982	5	10	-----	2,633	16
19	29,842	101	108	4	123,524	-----	-----	-----	-----	17
110	100,748	1,724	33	8	850,080	10	58	2	26,040	18
94	59,542	205	-----	5	101,041	2	-----	-----	500	19
128	123,714	1,703	3	35	900,731	44	12	-----	72,283	20
140	165,280	943	3	1	666,481	70	-----	-----	68,710	21
207	230,412	335	174	60	253,406	74	189	0	77,738	22
24,328	13,297,180	25,034	11	180	13,298,242	608	-----	7	201,400	23
77	50,561	94	20	15	43,669	13	4	-----	3,964	24
02	64,247	253	-----	6	121,511	49	-----	15	30,530	25
1,342	1,305,408	6,041	4,371	235	4,845,511	443	1,381	2	662,972	26
511	432,240	2,300	535	67	1,847,001	753	1,203	35	549,430	27
202	175,864	680	558	48	441,800	301	460	21	154,267	28
365	280,012	618	341	22	400,734	109	203	-----	130,590	29
18,407	9,328,852	10,473	200	110	4,810,824	5,970	130	14	2,581,553	30
5,643	5,707,031	42,487	15,941	1,858	28,083,108	48,010	23,908	577	32,583,047	31
130	153,802	3,575	1,121	84	2,006,906	1,551	2,808	-----	1,800,107	32
885	750,077	2,880	57	82	1,506,794	15	1	-----	4,884	33
412	331,717	2,480	938	201	1,871,411	282	1,195	20	431,255	34
1,005	1,042,801	4,288	5,716	352	3,620,031	1,270	7,150	164	2,200,408	35
916	861,418	10,238	415	742	5,001,051	1,002	532	77	614,050	36
39	35,334	705	-----	-----	386,400	15	-----	-----	14,775	37
103	107,400	2,114	80	36	1,100,012	280	100	16	190,300	38
900	1,104,150	9,007	283	97	5,274,872	670	266	20	483,401	39
861	499,080	4,230	842	96	2,715,307	1,063	900	20	841,872	40
13,921	9,608,788	33,068	4,190	813	18,802,310	277	482	11	227,940	41
4,975	2,985,832	93,014	152	4,360	27,987,902	5,584	60	307	1,741,455	42
539	730,231	7,983	-----	20	4,723,143	370	-----	8	227,000	43
40	58,800	265	3	3	187,535	12	-----	-----	8,000	44
1,428	1,017,633	3,795	891	347	1,857,017	3,350	805	278	1,442,376	45
205	262,787	1,107	1,434	77	1,046,224	497	742	34	384,805	46
17	15,418	75	-----	-----	36,552	5	-----	-----	600	47
17	35,010	142	64	-----	104,772	-----	-----	-----	-----	48
34	30,055	127	28	7	71,012	14	1	3	4,936	49
17,069	15,109,108	120,735	37	188	78,270,127	1,088	2	2	1,075,902	50
385	510,857	11,610	10,745	1,800	9,826,505	2,086	2,381	100	1,705,754	51
782	839,631	404	125	40	213,869	251	60	0	96,010	52
19	18,464	305	4	-----	130,932	-----	-----	-----	-----	53
932	842,194	7,888	180	206	3,522,071	1,644	50	22	844,162	54
210	176,050	2,067	207	52	1,014,040	324	73	3	140,850	55

TABLE 4.—CAPITAL INVESTED, MISCELLANEOUS EXPENSES, AND EMPLOYÉS

	MECHANICAL AND MANUFACTURING INDUSTRIES.	CAPITAL INVESTED.					Miscella-neous expenses.	
		Plant.			Machinery, tools, and imple-ments.	Live assets.		
		Total.	Land.	Buildings.				
56	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	\$30,732,196	\$13,443,756	\$17,386,952	\$8,901,488	\$64,478,400	\$0,022,972	
57	Cars and general shop construction and repairs by steam railroad companies.	54,733,171	10,860,068	25,399,382	18,473,121	21,450,306	95,054	
58	Cars and general shop construction and repairs by street railroad companies.	1,916,920	814,006	777,721	325,202	434,233	78,761	
59	Cars, steam railroad, not including operations of railroad companies.	10,310,079	3,811,086	7,878,189	7,026,804	24,325,131	1,725,113	
60	Cars, street railroad, not including operations of railroad companies.	988,956	480,500	280,700	218,756	1,470,350	140,462	
61	Celloid and celloid goods.	1,508,245	130,798	359,127	1,000,380	1,650,242	482,010	
62	Cheese and butter, urban dairy product.	449,880	145,092	150,149	154,039	157,710	61,228	
63	Cheese, butter, and condensed milk, factory product.	11,039,692	968,333	5,588,257	5,083,102	4,370,881	813,864	
64	Chemicals. (See also Fertilizers; Gunpowder; High explosives; Paints; Varnish.)	28,530,002	6,228,481	9,020,420	12,072,002	20,501,550	4,413,170	
65	China, decorating. (See also Clay and pottery products.)	112,479	23,600	35,100	53,770	387,108	47,870	
66	Chocolate and cocoa products.	878,050	250,000	155,000	473,050	1,752,017	232,801	
67	Cigar molds.	117,332	30,000	36,175	51,157	92,761	8,302	
68	Clay and pottery products. (See also Brick and tile.)	15,600,955	3,976,737	6,700,910	4,020,260	10,520,140	2,063,007	
69	Cleansing and polishing preparations. (See also Blacking.)	115,731	23,700	28,850	63,181	188,420	40,801	
70	Clock cases and materials. (See also Watch and clock materials.)	24,399	8,000	3,133	18,206	19,464	2,308	
71	Clocks.	1,830,508	240,502	631,064	974,802	3,800,694	272,084	
72	Cloth, sponging and refinishing.	146,185	14,000	18,500	113,085	83,150	40,403	
73	Clothing, horse.	106,832	27,350	31,900	47,582	921,601	57,804	
74	Clothing, men's, custom work and repairing.	11,000,130	4,202,761	4,342,542	2,544,827	43,010,143	7,013,423	
75	Clothing, men's, factory product.	8,359,863	2,089,521	3,200,222	3,020,620	110,804,184	20,460,045	
76	Clothing, men's, factory product, buttonholes.	130,153	11,130	12,442	100,581	50,005	45,056	
77	Clothing, women's, dressmaking.	6,402,274	2,305,464	2,258,391	1,808,411	6,300,865	3,177,570	
78	Clothing, women's, factory product.	2,000,778	554,050	617,500	1,720,228	18,358,750	3,620,042	
79	Coffee and spice, roasting and grinding.	3,445,002	678,830	848,041	1,918,022	13,551,007	1,229,026	
80	Coffins and burial cases, trimming and finishing.	2,830,708	1,010,323	1,124,100	600,283	8,176,587	443,832	
81	Coffins, burial cases, and undertakers' goods.	4,010,471	1,200,706	1,640,500	1,178,175	7,078,265	822,312	
82	Coke.	16,080,284	1,405,342	869,725	13,705,217	1,482,445	304,784	
83	Collars and cuffs, paper.	105,110	33,002	16,051	54,257	132,054	7,627	
84	Combs.	408,437	100,575	116,747	189,115	335,703	61,193	
85	Confectionery.	11,048,770	2,807,025	3,334,100	4,846,088	12,278,020	3,302,708	
86	Cooperage.	8,020,500	2,007,720	2,944,000	2,087,171	9,777,054	1,200,018	
87	Corrigal and twine.	12,837,704	1,733,492	4,636,005	6,407,727	10,514,119	1,020,007	
88	Cordials and sirups.	170,015	30,150	92,650	104,815	606,052	121,207	
89	Cork, cutting.	637,008	127,700	275,260	234,708	1,231,752	119,710	
90	Corsets.	1,427,010	103,050	303,900	840,800	5,212,437	608,510	
91	Cotton, cleaning and rehandling.	44,550	17,000	16,575	10,075	71,600	12,020	
92	Cotton, compressing.	7,233,759	2,037,072	2,178,857	2,416,924	630,020	324,400	
93	Cotton, ginning.	3,048,057	288,381	900,400	2,061,173	173,030	176,004	
94	Cotton goods. (See also Hosiery and knit goods.)	230,903,507	23,225,097	69,742,004	138,025,800	123,027,270	16,710,524	
95	Cotton ties.	19,135	0,000	7,000	6,135	3,340	1,004	
96	Cotton waste.	908,064	67,525	141,271	99,268	403,802	55,700	
97	Crucibles.	460,467	210,500	130,038	110,029	447,085	77,354	
98	Cutlery and edge tools. (See also Files; Hardware; Saws; Tools, not elsewhere specified.)	5,870,717	1,936,504	2,033,435	2,500,718	6,205,921	700,045	
99	Dentistry, mechanical.	2,443,548	453,523	438,840	1,551,176	1,570,080	870,502	
100	Dentists' materials.	823,416	88,050	389,050	351,315	2,084,098	406,125	
101	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds; Perfumery and cosmetics.)	1,800,005	578,917	693,310	537,900	2,815,200	603,883	
102	Drug grinding.	126,115	30,500	10,000	76,615	211,770	37,213	
103	Dyeing and cleaning.	2,261,355	710,525	047,295	903,535	770,823	525,052	
104	Dyeing and finishing textiles.	19,879,039	2,579,114	7,590,641	9,703,284	18,571,761	3,131,081	
105	Dye stuffs and extracts.	4,300,000	938,800	1,731,029	1,090,174	4,284,555	380,030	
106	Electrical apparatus and supplies.	6,170,507	714,512	1,406,293	3,959,072	12,824,830	1,154,402	
107	Electric light and power (a).	19,167,012	1,743,017	2,106,418	15,817,577	14,671,537	755,201	
108	Electroplating.	888,173	155,700	129,420	902,993	1,162,001	182,820	
109	Emery wheels.	232,002	20,000	53,374	153,528	590,157	81,148	
110	Enamelled goods.	143,472	0,000	9,000	128,472	207,026	23,856	

a The statistics of this industry are confined to the state of New York, the District of Columbia, and the city of St. Louis, Mo.

## MANUFACTURES.

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AND WAGES IN MANUFACTURES, BY SPECIFIED INDUSTRIES: 1890—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Officers, firm members, and clerks.		Operatives, skilled and unskilled.				Pieceworkers.				
Number.	Wages.	Males above 16 years.	Females above 15 years.	Children.	Total wages.	Males above 16 years.	Females above 15 years.	Children.	Total wages.	
9,104	\$7,533,221	55,328	478	506	\$28,615,970	7,742	119	56	\$4,049,322	56
1,953	1,584,212	100,209	125	56	56,327,378	6,230	3	.....	3,886,055	57
25	23,172	1,998	.....	1	1,403,480	10	.....	.....	7,716	58
708	759,702	22,023	174	196	11,571,617	7,062	80	.....	4,505,212	59
48	83,520	1,671	2	6	901,052	100	.....	.....	99,018	60
84	172,341	552	118	2	337,780	135	132	.....	100,334	61
170	101,463	341	35	1	172,747	5	.....	.....	500	62
2,150	867,151	11,170	571	80	4,136,738	250	110	11	112,116	63
1,914	2,983,432	11,475	2,308	118	6,800,040	430	87	14	417,771	64
114	81,904	180	131	6	145,103	20	10	.....	17,517	65
70	140,557	544	343	6	456,047	.....	.....	.....	.....	66
18	17,300	92	7	15	46,760	4	6	.....	3,330	67
1,310	1,260,111	13,050	1,532	405	7,214,078	2,452	491	150	1,054,354	68
80	74,080	204	83	8	101,310	3	3	.....	95	69
3	3,250	20	.....	.....	17,438	.....	.....	.....	70	70
94	127,500	1,809	323	25	1,160,205	1,133	188	14	647,820	71
42	43,072	348	4	2	200,630	.....	373	31	118,057	72
71	74,231	184	150	62	120,417	81	.....	.....	10,020,070	73
14,064	12,305,448	22,343	9,106	452	10,015,976	28,511	10,073	94	10,020,070	74
11,415	11,235,807	34,422	24,120	480	25,863,269	33,364	51,501	1,033	25,212,508	75
208	134,103	307	412	18	252,004	165	205	.....	140,158	76
18,085	9,227,002	768	15,238	860	12,505,779	288	1,926	33	639,955	77
2,850	3,384,515	7,301	13,788	213	9,419,674	5,602	12,125	60	6,008,598	78
1,356	1,447,385	2,014	553	74	1,052,034	137	388	.....	102,700	79
1,408	1,052,712	1,668	31	4	912,010	110	11	2	34,425	80
678	712,812	4,242	583	74	2,450,001	564	275	13	301,783	81
161	113,032	4,448	.....	82	1,906,020	4,494	.....	24	2,106,012	82
9	13,512	53	14	.....	31,173	.....	15	.....	8,052	83
65	68,321	563	116	10	345,301	39	7	1	10,324	84
5,487	3,850,441	11,164	7,704	550	7,180,013	688	1,550	38	602,084	85
2,097	1,608,117	12,942	3	301	5,001,066	9,089	191	20	4,154,583	86
414	600,630	6,201	4,410	101	9,737,508	211	600	62	238,724	87
106	121,874	196	58	21	168,704	6	.....	.....	2,410	88
110	125,640	823	884	293	630,605	19	.....	.....	6,264	89
442	553,770	806	3,310	50	1,024,242	925	5,774	45	1,884,707	90
14	10,820	88	90	8	43,018	.....	1	.....	290	91
215	187,811	1,883	.....	7	518,078	805	.....	.....	522,735	92
740	130,013	0,570	90	102	640,541	142	3	4	10,344	93
2,769	3,464,734	85,840	95,821	22,500	61,855,201	2,007	10,786	932	4,309,247	94
3	860	3	.....	2	1,500	10	.....	.....	800	95
50	51,216	107	76	5	102,881	1	.....	.....	150	96
24	38,960	109	6	0	95,310	10	.....	.....	14,040	97
770	717,210	4,910	198	108	2,048,493	3,420	50	4	1,552,440	98
3,251	2,712,788	1,164	191	50	735,372	71	4	.....	33,020	99
203	324,078	760	170	51	636,898	6	9	.....	6,810	100
1,900	1,090,014	1,753	204	40	830,506	20	5	.....	3,180	101
25	28,883	132	13	1	74,111	.....	2	.....	600	102
1,198	820,169	2,001	1,380	60	1,540,920	222	238	.....	176,458	103
606	805,291	16,297	2,151	703	8,771,660	213	147	.....	110,170	104
101	252,836	2,073	4	8	1,030,420	26	.....	.....	7,225	105
683	849,138	6,221	970	44	3,719,722	1,068	400	.....	797,828	106
210	271,381	1,701	1	2	1,285,242	.....	.....	.....	.....	107
397	368,723	1,520	87	63	844,524	73	8	.....	47,228	108
47	47,244	241	2	2	135,398	.....	.....	.....	109	109
37	42,378	232	92	20	146,547	10	.....	.....	3,000	110

TABLE 4.—CAPITAL INVESTED, MISCELLANEOUS EXPENSES, AND EMPLOYEES

MECHANICAL AND MANUFACTURING INDUSTRIES.	CAPITAL INVESTED.					Miscella-neous expenses.	
	Plant.			Machinery, tools, and imple-ments.	Live assets.		
	Total.	Land.	Buildings.				
111 Enameling.....	\$33,987	\$5,000	\$3,800	\$24,587	\$98,630	\$15,751	
112 Engravers' materials.....	49,400	1,500	3,500	44,400	90,400	13,950	
113 Engraving and diesinking.....	424,854	22,050	41,050	361,754	365,710	150,240	
114 Engraving, steel, including plate printing. (See also Lithographing and engraving; Photoengraving and engraving.)	1,250,133	8,200	382,000	909,033	1,073,092	155,902	
115 Engraving, wood.....	140,758	3,000	4,000	142,758	331,232	100,701	
116 Envelopes.....	1,342,077	96,000	203,500	1,043,177	1,875,780	340,129	
117 Fancy articles, not elsewhere specified.....	857,441	130,850	173,400	553,101	1,528,876	276,390	
118 Felt goods. (See also Woolen goods.).....	1,865,084	270,780	714,453	874,761	2,594,637	232,871	
119 Fertilizers. (See also Chemicals.).....	13,197,823	2,870,499	5,787,740	4,539,384	27,308,543	2,780,082	
120 Files. (See also Cutlery and edge tools.).....	1,770,100	265,970	486,804	1,033,425	1,215,780	130,310	
121 Firearms.....	2,755,400	418,000	630,350	1,706,246	1,010,028	202,060	
122 Fire extinguishers, chemical.....	48,630	4,500	16,000	28,030	357,203	18,850	
123 Fireworks.....	214,435	73,900	93,075	40,800	202,331	25,483	
124 Fish, canning and preserving. (See also Food preparations.).....	1,421,730	460,970	407,340	487,420	1,705,245	280,600	
125 Flags and banners. (See also Regalia and society banners and emblems.).....	153,945	73,800	42,050	37,195	222,185	20,098	
126 Flavoring extracts.....	225,650	42,040	41,660	141,350	1,130,150	153,400	
127 Flax, dressed.....	867,810	201,010	204,200	402,000	493,825	45,567	
128 Flouring and grist mill products.....	130,539,851	23,770,031	41,730,012	71,032,308	71,933,040	13,162,037	
129 Food preparations. (See also Fish, canning and preserving; Fruits and vegetables, canning and preserving; Oysters, canning and preserving.).....	3,040,810	602,661	989,885	1,378,273	3,074,716	881,028	
130 Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.).....	187,048,000	41,014,439	51,032,859	95,001,002	195,740,347	24,637,080	
131 Foundry supplies.....	353,105	111,900	104,000	137,205	320,712	53,282	
132 Fruit, jar trimmings.....	596,384	200,000	200,500	195,884	428,313	33,680	
133 Fruits and vegetables, canning and preserving. (See also Food preparations; Pickles, preserves, and sauces.).....	0,205,843	1,338,584	2,387,232	2,480,027	9,100,342	1,280,081	
134 Fur goods. (See also Hats and caps, not including wool hats.).....	1,080,777	220,810	540,500	322,967	10,020,063	804,500	
135 Furnishing goods, men's. (See also Shirts.).....	1,610,750	231,940	357,211	1,030,590	10,670,262	2,330,360	
136 Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.).....	4,775,372	1,602,213	1,820,413	1,352,746	8,085,830	1,400,085	
137 Furniture, chairs.....	4,502,771	602,812	1,007,254	1,003,205	9,704,304	1,159,010	
138 Furniture, factory product.....	24,595,393	6,293,354	9,438,445	8,803,504	41,708,471	5,369,020	
139 Furs, dressed.....	152,025	40,050	44,600	66,475	114,896	13,204	
140 Galvanizing.....	464,593	144,800	128,900	101,903	837,980	99,102	
141 Gas and lamp fixtures. (See also Lamps and reflectors.).....	2,854,502	370,275	601,000	1,287,287	4,804,402	703,283	
142 Gas, illuminating and heating.....	234,401,052	45,521,707	35,048,435	153,830,010	24,370,743	7,700,385	
143 Gas machines and meters.....	514,087	79,350	140,250	202,087	1,088,730	105,200	
144 Gas stoves.....	515,220	28,591	141,502	344,076	684,290	118,017	
145 Glass.....	25,437,450	5,007,726	11,401,021	8,938,703	15,525,400	2,267,600	
146 Glass, cutting, staining, and ornamenting.....	692,707	132,516	134,000	420,281	1,811,202	272,138	
147 Gloves and mittens. (See also Hosiery and knit goods; Woolen goods.).....	918,116	102,530	345,550	405,030	5,064,704	426,937	
148 Glucose.....	4,470,000	870,000	1,400,000	2,200,000	1,521,023	923,420	
149 Glue.....	1,972,983	564,475	710,631	686,887	2,880,273	420,913	
150 Gold and silver, leaf and foil.....	548,026	100,000	197,650	240,470	557,172	46,863	
151 Gold and silver, reducing and refining, not from the ore.....	2,032,781	248,000	1,135,111	649,070	2,730,616	354,113	
152 Graphite.....	0,500	-----	0,500	0,500	29,114	4,900	
153 Grease and tallow. (See also Axle grease; Soap and candles.).....	2,740,070	933,080	1,017,144	790,755	1,580,214	278,334	
154 Grindstones.....	32,500	3,500	3,500	25,500	46,250	5,700	
155 Gunpowder. (See also Ammunition; High explosives.).....	5,001,988	942,756	1,057,604	2,401,028	4,608,587	959,240	
156 Hairwork.....	342,412	125,000	115,790	101,622	1,020,581	282,152	
157 Hammocks.....	5,200	200	700	4,300	60,325	3,300	
158 Hand knit goods.....	34,015	10,300	9,700	14,915	43,553	20,362	
159 Hand stamps.....	557,508	79,000	52,000	426,508	441,305	120,518	
160 Hardware. (See also Cutlery and edge tools; Tools, not elsewhere specified.).....	12,330,030	1,020,035	8,000,404	6,740,591	13,941,810	2,400,827	

## MANUFACTURES.

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AND WAGES IN MANUFACTURES, BY SPECIFIED INDUSTRIES: 1890—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Officers, firm members, and clerks.		Operatives, skilled and unskilled.				Pieceworkers.				
Number.	Wages.	Males above 16 years.	Females above 15 years.	Children.	Total wages.	Males above 16 years.	Females above 15 years.	Children.	Total wages.	
33	\$30,086	120	23	2	\$74,580	.....	.....	.....	.....	111
22	20,889	137	1	1	76,450	.....	.....	.....	.....	112
467	472,422	1,013	30	24	629,000	82	.....	.....	.....	113
204	305,178	1,013	870	20	1,123,417	371	13	.....	452,088	114
341	355,013	707	7	33	540,428	107	1	.....	80,025	115
176	246,006	569	930	20	605,928	29	768	.....	206,016	116
558	444,830	1,178	1,563	59	1,074,560	149	432	15	180,416	117
124	157,916	1,350	346	123	763,103	118	180	39	120,277	118
1,132	1,253,061	8,838	88	70	3,412,551	25	5	5,310	119	.....
231	228,365	1,428	47	103	786,002	830	27	.....	430,914	120
90	124,274	2,277	12	9	1,382,071	360	2	.....	103,800	121
26	32,284	55	1	.....	25,504	.....	.....	.....	.....	122
39	47,805	281	185	32	102,894	8	12	.....	2,404	123
182	120,253	1,904	335	81	506,849	1,883	506	311	531,204	124
43	46,436	101	97	6	81,355	34	83	.....	14,834	125
262	233,071	333	144	16	201,702	8	6	.....	6,923	126
20	28,400	217	255	25	198,723	.....	.....	.....	.....	127
10,078	8,897,340	45,892	215	204	17,827,051	907	93	2	310,751	128
074	503,022	2,154	980	85	1,144,381	82	184	7	78,532	129
16,002	19,186,014	205,530	1,040	1,307	116,808,074	22,871	100	238	13,394,075	130
40	61,140	163	.....	.....	91,698	.....	.....	.....	.....	131
10	30,650	83	55	32	36,470	269	104	.....	93,600	132
1,119	592,390	14,817	12,880	3,400	3,301,010	3,032	12,828	2,080	1,260,307	133
1,128	1,272,043	2,598	3,418	41	3,005,022	388	502	.....	471,526	134
1,433	1,511,323	2,000	5,632	144	3,010,147	2,146	10,783	67	3,007,870	135
4,003	2,836,610	8,950	700	137	5,361,136	712	190	2	380,451	136
768	712,351	7,823	640	412	3,628,561	2,906	837	382	1,306,898	137
4,146	4,427,925	49,688	955	1,340	26,098,034	7,280	451	71	3,944,886	138
37	43,618	224	3	5	131,215	107	1	.....	107,675	139
85	111,233	763	4	11	353,758	13	.....	.....	8,120	140
516	712,600	4,641	233	38	2,817,145	102	.....	.....	62,068	141
1,864	2,143,160	12,051	.....	38	8,498,725	1	.....	6	900	142
73	83,027	820	15	.....	548,004	153	4	.....	77,298	143
108	122,047	801	5	.....	477,333	57	.....	.....	29,393	144
1,095	1,232,501	24,337	1,020	6,498	11,850,538	11,727	250	445	9,020,423	145
474	541,800	9,042	151	58	1,023,420	65	4	.....	31,140	146
482	438,664	1,807	1,121	84	1,208,800	1,101	3,070	14	1,371,945	147
35	72,320	1,714	5	.....	899,086	5	.....	.....	3,000	148
130	147,303	1,535	34	67	650,280	45	10	.....	19,800	149
94	102,020	920	496	18	579,346	95	107	.....	118,821	150
83	145,422	864	1	2	614,247	15	1	.....	11,301	151
3	1,434	17	1	24	9,008	.....	.....	.....	360	152
317	286,398	1,431	7	24	703,538	8	.....	.....	.....	153
8	5,204	123	.....	10	51,770	.....	.....	.....	26,565	154
108	107,501	1,573	.....	.....	808,028	30	.....	.....	26,565	155
548	380,347	210	941	23	426,085	74	148	1	63,500	156
6	3,755	13	14	.....	8,142	3	50	.....	6,402	157
38	26,138	12	78	8	10,436	17	71	.....	16,415	158
363	300,558	547	60	41	809,803	60	7	.....	34,286	159
1,176	1,255,410	12,505	1,156	603	6,040,804	8,747	376	108	2,015,763	160

TABLE 4.—CAPITAL INVESTED, MISCELLANEOUS EXPENSES, AND EMPLOYÉS

MECHANICAL AND MANUFACTURING INDUSTRIES.	CAPITAL INVESTED.					Miscella-neous expenses.	
	Plant.			Machinery, tools, and implements.	Live assets.		
	Total.	Land.	Buildings.				
161 Hardware, saddlery.....	\$1,284,406	\$204,150	\$315,364	\$764,982	\$2,001,860	\$250,068	
162 Hat and cap materials.....	577,880	87,300	139,500	351,080	1,131,770	146,078	
163 Hats and caps, not including wool hats. (See also Fur goods; Straw goods, not elsewhere specified.)	5,050,721	1,085,052	1,710,327	2,260,742	8,607,281	1,051,268	
164 Hay and straw, baling.....	261,603	42,810	134,196	84,507	154,938	30,430	
165 High explosives. (See also Ammunition; Gunpowder.)	1,404,488	225,087	408,081	711,320	2,525,016	200,680	
166 Hones and whetstones.....	65,450	22,500	13,700	29,250	32,485	1,018	
167 Hooks and eyes.....	240,545	11,200	37,520	107,825	203,073	33,008	
168 Horseshoes, factory product.....	675,060	62,879	68,500	544,571	623,115	42,019	
169 Hosiery and knit goods. (See also Cotton goods; Gloves and mittens; Woolen goods.)	23,574,701	2,271,466	6,194,088	15,109,207	27,092,977	3,027,245	
170 House furnishing goods, not elsewhere specified.	3,005,108	414,500	1,179,366	1,471,242	8,874,551	300,750	
171 Ice, artificial.....	8,878,731	1,595,300	1,338,652	5,930,710	972,737	477,485	
172 Ink, printing.....	620,163	174,600	132,900	312,063	1,242,862	102,554	
173 Ink, writing.....	357,700	101,500	154,900	101,300	434,434	47,076	
174 Instruments, professional and scientific.....	1,293,303	247,000	248,817	790,046	1,702,658	203,937	
175 Iron and steel.....	210,030,310	31,403,087	42,400,656	130,160,573	162,047,702	16,018,753	
176 Iron and steel, bolts, nuts, washers, and rivets.	5,812,292	1,101,168	1,201,348	3,419,770	4,977,520	597,005	
177 Iron and steel, doors and shutters.....	23,050	10,000	5,000	8,950	18,000	4,210	
178 Iron and steel, forgings.....	4,281,004	1,125,732	999,308	2,455,064	2,871,141	366,812	
179 Iron and steel, nails and spikes, cut and wrought, including wire nails.	13,825,194	2,273,151	3,108,500	8,443,537	10,500,355	1,244,024	
180 Iron and steel, pipe, wrought.....	9,043,906	1,678,003	1,917,951	5,447,802	13,578,461	1,095,805	
181 Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	10,671,455	2,083,622	2,877,618	4,810,215	11,206,717	1,344,813	
182 Ivory and bone work.....	830,272	135,000	402,400	301,872	1,055,277	111,293	
183 Japaning.....	111,900	0,650	18,000	83,650	173,804	21,041	
184 Jewelry. (See also Watch, clock, and jewelry repairing.)	4,141,958	173,200	405,001	3,603,087	18,104,550	1,493,545	
185 Jewelry and instrument cases.....	141,190	1,700	16,700	122,706	493,704	70,070	
186 Jute and jute goods.....	801,611	80,800	205,000	500,811	754,025	108,258	
187 Kaolin and other earth grinding.....	2,114,931	639,422	592,050	808,550	1,210,644	322,527	
188 Kindling wood.....	872,105	242,772	210,050	418,383	427,428	173,298	
189 Labels and tags.....	450,180	33,600	01,050	354,630	106,035	60,882	
190 Lamps and reflectors. (See also Gas and lamp fixtures.)	902,772	82,000	134,300	685,572	1,047,442	107,759	
191 Lapidary work.....	26,435			26,435	74,200	13,294	
192 Lard, refined. (See also Slaughtering.)	808,215	106,430	152,870	638,915	3,000,095	846,116	
193 Lasts.....	301,282	85,750	78,400	227,132	515,538	62,192	
194 Lead, bar, pipe, and sheet.....	2,405,572	881,844	675,800	847,028	2,486,953	208,645	
195 Leather board. (See also Paper.).....	250,053	47,700	65,607	136,056	195,600	30,166	
196 Leather, dressed skins.....	171,700	45,675	71,000	55,025	263,100	30,078	
197 Leather goods. (See also Pocketbooks; Trunks and valises.)	692,622	117,110	130,343	445,160	2,287,438	100,874	
198 Leather, morocco.....	3,988,333	651,800	1,703,306	1,543,227	8,205,400	838,727	
199 Leather, patent and enameled.....	1,530,767	431,500	647,000	421,307	2,577,042	218,540	
200 Leather, tanned and curried.....	22,520,492	6,340,010	10,155,402	6,026,020	58,735,204	4,300,421	
201 Lightning rods.....	118,028	35,700	40,000	42,238	318,033	20,550	
202 Lime and cement.....	14,404,265	7,482,480	4,005,516	2,880,240	4,288,131	984,000	
203 Linen goods.....	288,595	38,905	101,400	88,500	610,694	65,583	
204 Liquors, distilled.....	16,072,727	2,810,967	6,209,511	7,850,240	14,033,410	85,179,027	
205 Liquors, malt. (See also Bottling.).....	148,230,209	63,538,926	64,412,133	50,288,210	84,232,021	48,276,290	
206 Liquors, vinous. (See also Liquors, distilled.)	2,706,613	307,010	1,040,005	1,200,508	3,086,170	270,377	
207 Lithographing and engraving. (See also Engraving, steel, including plate printing; Photolithographing and engraving; Printing and publishing.)	8,715,408	451,820	1,075,873	7,187,706	6,774,719	1,155,653	
208 Lock and gun smithing.....	1,141,200	358,400	200,915	521,015	725,030	278,516	
209 Looking-glass and picture frames.....	2,237,538	590,555	710,325	936,078	6,317,037	1,010,020	
210 Lumber and other mill products from logs or bolts.	204,925,888	156,539,007	81,273,534	106,513,257	202,014,080	20,196,273	
211 Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	52,327,304	10,128,855	18,976,848	22,221,001	67,944,076	6,504,058	
212 Malt. (See also Liquors, malt.)	10,787,014	3,230,357	5,827,303	1,720,054	13,506,250	1,305,240	
213 Mantels, slate, marble, and marbleized.....	608,780	304,900	238,650	155,230	1,155,970	108,800	
214 Marble and stone work. (See also Monuments and tombstones.)	10,775,301	4,880,280	1,748,427	4,142,084	13,206,570	1,772,017	
215 Masonry, brick and stone. (See also Plastering and stuccowork.)	11,279,547	3,708,000	2,032,303	4,540,004	40,380,504	5,688,854	

## MANUFACTURES.

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AND WAGES IN MANUFACTURES, BY SPECIFIED INDUSTRIES: 1890—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.									
Officers, firm members, and clerks.		Operatives, skilled and unskilled.				Pieceworkers.			
Number.	Wages.	Males above 16 years.	Females above 15 years.	Children.	Total wages.	Males above 16 years.	Females above 15 years.	Children.	Total wages.
202	\$286,970	1,570	123	55	\$787,395	1,024	135	10	\$473,020
116	145,897	898	423	8	539,847	202	51	5	158,008
1,202	1,460,830	7,354	2,746	114	5,035,222	9,111	6,400	147	7,015,055
59	25,327	472	114	9	112,001	122	.....	1	12,325
80	141,507	638	23	13	380,330	31	10	10	24,073
14	9,219	44	10	.....	17,754	3	.....	.....	1,000
25	42,373	119	96	3	106,071	.....	.....	.....	107
19	40,976	304	.....	80	241,894	.....	.....	.....	108
1,621	1,085,153	11,081	15,125	2,711	9,149,020	3,165	25,701	1,205	7,420,000
250	272,824	2,083	740	82	1,250,672	432	78	2	250,257
430	345,101	2,600	.....	15	1,083,172	205	.....	.....	12,824
136	180,024	357	18	.....	207,440	5	.....	.....	2,300
127	150,038	203	99	12	127,130	20	.....	.....	23,358
303	414,506	1,502	187	23	1,018,079	214	47	12	172,610
3,620	5,087,000	147,357	2	1,356	78,977,900	.....	.....	.....	175
380	467,748	4,240	180	210	2,098,810	1,841	130	848	905,044
7	7,625	43	.....	2	28,064	1	.....	.....	1,800
240	324,527	3,516	11	43	1,976,880	505	.....	43	337,254
516	672,741	14,436	513	747	6,722,016	531	300	7	422,237
371	447,747	10,807	5	284	5,096,757	506	.....	1	300,058
1,514	1,715,756	16,056	9	146	10,032,033	343	.....	4	203,008
105	95,403	901	140	18	518,588	160	20	1	73,270
49	51,004	144	41	4	83,230	23	23	8	21,058
1,881	2,232,066	9,700	2,598	215	7,147,818	936	370	1	800,500
128	140,647	507	200	17	430,117	23	12	1	16,810
18	23,001	307	665	167	351,685	.....	55	.....	16,000
190	195,250	1,215	.....	5	521,500	51	.....	.....	27,280
188	156,283	1,025	18	22	402,348	377	180	45	153,740
92	90,037	414	137	27	283,600	1	12	27	5,300
220	284,313	1,730	181	52	900,284	140	13	.....	66,676
37	40,844	82	.....	5	55,202	5	.....	.....	3,350
130	137,940	683	112	61	450,326	3	29	.....	9,776
78	85,980	501	.....	2	330,301	103	.....	.....	155,352
143	160,133	634	.....	.....	381,888	1	2	.....	1,300
22	20,711	160	2	.....	71,052	1	.....	.....	400
58	40,011	235	21	3	138,515	38	.....	.....	21,208
920	343,728	1,500	879	86	1,010,400	103	24	3	100,900
426	400,376	6,029	114	206	3,250,081	1,333	22	17	888,512
82	132,047	1,370	.....	.....	790,054	035	.....	.....	430,280
2,060	2,005,556	20,130	80	70	13,950,101	2,063	27	3	1,778,048
46	55,281	150	.....	1	76,254	4	.....	.....	1,600
607	528,909	12,430	7	89	4,714,308	517	.....	.....	220,015
9	13,070	150	287	34	141,430	62	8	27	25,704
581	508,825	4,559	3	5	2,143,162	104	.....	1	102,002
4,643	7,060,161	20,117	108	508	20,531,300	374	82	8	181,987
234	181,280	903	24	6	203,348	54	2	.....	6,105
934	1,291,844	7,727	1,401	303	5,704,803	124	35	6	150,527
1,318	840,455	1,140	1	45	632,886	55	1	.....	22,975
1,736	1,410,600	6,510	520	367	3,603,894	427	50	39	2,2,063
10,468	10,080,108	252,120	1,388	2,016	74,308,703	0,051	803	052	2,788,472
6,965	6,748,224	76,840	104	1,474	41,410,515	1,444	87	15	811,341
366	513,025	3,285	.....	.....	1,571,031	43	.....	.....	18,244
184	207,742	1,309	4	4	865,411	113	.....	.....	87,708
1,038	2,118,907	20,907	14	49	14,774,032	037	37	6	539,906
6,603	6,755,434	90,934	12	170	62,708,053	1,086	.....	.....	1,127,713

TABLE 4.—CAPITAL INVESTED, MISCELLANEOUS EXPENSES, AND EMPLOYÉS

MECHANICAL AND MANUFACTURING INDUSTRIES.	CAPITAL INVESTED.					Miscella-neous expenses.	
	Plant.			Machinery, tools, and imple-ments.	Live assets.		
	Total.	Land.	Buildings.				
216 Matches.....	\$1,104,935	\$190,228	\$364,698	\$550,000	\$836,157	\$124,800	
217 Mats and matting.....	105,062	23,400	23,100	118,502	227,577	20,651	
218 Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	2,068,458	631,626	673,591	703,241	4,594,471	680,366	
219 Millinery and lace goods. (See also Artificial feathers and flowers.)	1,788,243	100,200	353,000	1,335,043	4,841,907	742,153	
220 Millinery, custom work.....	3,064,230	1,598,697	1,785,618	579,925	12,344,900	2,620,266	
221 Millstones.....	30,150	20,500	10,000	5,050	13,300	1,628	
222 Mineral and soda waters. (See also Bottling.)	8,229,883	1,818,888	1,539,273	4,871,722	2,551,034	1,286,577	
223 Mirrors.....	204,997	18,110	33,300	213,587	1,430,775	169,504	
224 Models and patterns.....	719,089	119,138	120,747	479,204	665,632	150,512	
225 Monuments and tombstones. (See also Marble and stone work.)	4,261,504	1,088,177	1,189,206	1,084,091	8,811,688	970,358	
226 Mucilage and paste.....	280,624	48,150	90,100	142,874	462,202	67,581	
227 Musical instruments and materials, not specified.	650,507	150,775	101,375	302,357	678,822	178,488	
228 Musical instruments, organs and materials.....	2,083,252	450,560	871,755	780,937	7,807,036	821,315	
229 Musical instruments, pianos and materials.....	4,701,884	1,385,346	1,738,750	1,577,768	13,728,088	1,304,513	
230 Needles and pins.....	954,000	81,100	222,900	650,609	865,480	71,074	
231 Nets and seines.....	467,023	39,573	65,633	332,417	668,141	53,020	
232 Oakum.....	186,525	73,525	35,000	78,000	80,150	6,579	
233 Oil, castor.....	263,902	85,500	51,000	127,462	357,836	28,314	
234 Oil, cottonseed and cake.....	8,041,014	808,345	2,733,217	5,300,452	3,867,982	1,163,583	
235 Oil, essential.....	70,872	10,000	11,407	40,300	31,351	34,402	
236 Oil, illuminating, not including petroleum, refining.	340,200	107,500	114,000	127,700	212,206	15,480	
237 Oil, lard.....	197,500	65,500	77,500	54,500	284,020	102,663	
238 Oil, linseed.....	5,030,210	1,208,775	1,514,358	2,813,977	8,907,148	1,321,461	
239 Oil, lubricating.....	1,067,001	212,584	300,476	554,841	3,023,256	928,718	
240 Oil, resin.....	153,500	58,000	50,000	45,500	130,610	20,800	
241 Oilcloth, enameled.....	412,450	74,950	170,750	166,750	300,370	60,020	
242 Oilcloth, floor.....	1,590,845	205,550	777,150	524,145	2,107,591	105,764	
243 Oleomargarine.....	135,484	32,234	20,900	73,300	499,098	385,563	
244 Optical goods.....	900,727	64,281	144,495	607,951	1,701,449	228,028	
245 Ordnance and ordnance stores.....	7,446,383	2,081,800	3,510,820	1,847,688	193,008	18,885	
246 Oysters, canning and preserving. (See also Food preparations.)	504,250	234,200	180,750	80,300	602,712	80,100	
247 Painting and paper hanging.....	7,005,288	2,504,067	2,516,812	2,584,409	15,470,403	2,032,571	
248 Paints. (See also Chemicals; Varnish.)	14,809,182	4,980,155	5,250,204	5,220,823	19,140,021	3,039,427	
249 Paper. (See also Leather board; Pulp, wood.)	56,289,244	8,002,883	18,250,116	29,036,245	20,084,855	0,270,050	
250 Paper goods, not elsewhere specified.....	1,217,536	115,550	378,900	723,086	1,704,913	234,925	
251 Paper hangings.....	2,108,753	355,500	480,584	1,200,600	3,001,150	600,117	
252 Paper patterns.....	18,600	2,500	3,550	12,040	137,416	54,857	
253 Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	5,275,507	1,700,721	1,833,970	1,740,816	13,321,316	7,003,311	
254 Paving and paving materials.....	4,030,540	1,307,836	552,284	2,820,920	7,958,553	1,147,235	
255 Pencil cases.....	21,000	-----	-----	21,000	45,025	5,010	
256 Pencils, lead.....	936,000	270,000	373,000	293,000	2,164,836	154,528	
257 Pens, fountain and stylographic.....	43,325	8,100	3,000	36,625	98,949	12,380	
258 Pens, gold.....	149,120	12,000	8,000	129,120	324,844	82,753	
259 Pens, steel.....	176,115	96,000	52,672	87,443	223,067	6,295	
260 Perfumery and cosmetics. (See also Druggists' preparations, not including prescriptions.)	545,878	96,450	149,875	299,553	1,698,029	421,335	
261 Petroleum, refining.....	35,127,700	7,886,068	6,403,994	20,837,038	42,288,500	2,000,208	
262 Photographic apparatus.....	108,851	7,100	12,800	88,051	263,983	23,261	
263 Photographic materials.....	459,170	104,000	132,413	222,166	713,401	91,350	
264 Photography.....	5,080,305	614,070	684,504	3,781,181	2,724,227	1,502,786	
265 Photolithographing and engraving. (See also Lithographing and engraving; Stereotyping and electrotyping.)	604,978	7,000	6,500	590,878	530,405	145,050	
266 Pickles, preserves, and sauces. (See also Fruits and vegetables, canning and preserving.)	1,070,044	455,803	485,185	738,050	3,234,415	528,283	
267 Pipes, tobacco.....	507,788	30,863	95,015	441,010	864,965	95,545	
268 Plastering and stuccowork. (See also Masonry, brick and stone.)	1,460,240	474,805	480,410	499,025	1,840,057	311,812	
269 Plated and britannia ware. (See also Silverware.)	3,022,351	804,382	900,259	2,618,710	9,228,630	1,276,431	
270 Plumbers' supplies. (See also Brass castings and brass finishing.)	3,859,279	988,950	1,085,228	1,785,101	5,818,828	550,038	

## MANUFACTURES.

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AND WAGES IN MANUFACTURES, BY SPECIFIED INDUSTRIES: 1890—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Officers, firm members, and clerks.		Operatives, skilled and unskilled.				Pieceworkers.				
Number.	Wages.	Males above 16 years.	Females above 16 years.	Children.	Total wages.	Males above 16 years.	Females above 16 years.	Children.	Total wages.	
59	\$70,655	710	246	49	\$944,115	70	601	20	\$129,441	216
40	39,607	262	16	7	128,381	81	17	.....	44,403	217
1,019	896,944	3,746	770	197	2,101,068	1,160	370	66	602,885	218
700	926,408	1,775	5,008	42	2,817,046	749	3,544	.....	1,708,975	219
6,904	3,703,738	353	10,065	208	5,181,337	48	892	6	110,064	220
4	5,100	24	.....	.....	12,764	.....	.....	.....	.....	221
1,708	1,426,705	5,582	92	171	2,701,949	60	8	6	18,814	222
138	199,828	1,280	45	13	787,397	66	.....	.....	55,010	223
507	472,812	1,408	36	26	930,120	32	1	.....	18,920	224
2,823	1,901,991	8,903	9	28	5,480,590	830	1	1	547,435	225
95	70,620	262	36	8	114,765	6	12	.....	5,017	226
320	257,067	875	46	21	582,220	106	8	.....	72,884	227
381	422,286	2,492	79	22	1,588,535	1,077	38	.....	1,085,056	228
625	378,382	9,070	145	40	6,410,047	2,641	36	.....	1,058,400	229
71	78,518	803	396	9	519,651	95	295	11	129,833	230
32	27,804	102	425	.....	108,885	2	80	.....	21,200	231
0	10,300	124	4	14	46,816	.....	.....	.....	.....	232
24	25,500	77	.....	.....	44,532	.....	.....	.....	.....	233
305	414,047	5,778	65	37	1,473,056	36	.....	.....	20,724	234
23	8,568	191	.....	.....	28,240	6	.....	.....	675	235
15	23,810	51	.....	.....	30,608	.....	.....	.....	.....	236
26	20,024	92	.....	.....	51,813	2	.....	.....	1,305	237
187	308,718	1,851	4	.....	954,220	31	.....	.....	23,124	238
305	439,716	607	32	6	436,530	2	.....	.....	1,224	239
27	29,056	90	.....	.....	68,596	.....	.....	.....	.....	240
26	29,702	815	4	2	171,050	20	.....	.....	11,100	241
62	92,203	1,102	4	6	585,023	285	.....	.....	150,843	242
64	91,752	252	11	1	154,188	.....	.....	.....	.....	243
337	290,078	1,590	380	103	852,080	260	118	20	158,305	244
31	34,888	1,158	2	1	850,032	267	.....	.....	204,480	245
61	69,801	578	707	54	406,171	904	905	215	290,430	246
10,045	8,035,219	42,617	224	250	27,550,019	2,213	25	7	1,227,712	247
1,693	2,030,869	6,242	421	55	8,432,709	218	98	10	136,048	248
1,200	1,621,654	21,260	4,627	218	11,523,487	116	2,118	9	601,443	249
128	153,828	881	385	95	555,600	90	54	14	55,744	250
230	802,034	1,901	240	276	1,142,714	102	3	2	20,440	251
30	45,212	46	361	1	108,136	1	.....	.....	300	252
2,332	2,138,810	3,088	2,100	145	2,756,081	243	480	12	198,702	253
1,010	1,025,672	21,156	1	16	9,184,447	547	.....	.....	240,851	254
10	13,080	74	5	.....	47,008	.....	.....	.....	.....	255
64	130,300	434	290	207	356,917	49	338	0	63,533	256
24	28,002	107	21	.....	62,838	21	3	.....	11,050	257
02	75,124	239	23	1	158,441	38	.....	.....	27,104	258
15	20,148	66	2	33	46,249	75	320	.....	85,788	259
350	370,159	528	760	13	475,550	14	78	3	26,970	260
1,068	1,117,011	9,227	2	500	5,160,174	1,658	.....	10	712,208	261
49	46,184	429	58	12	258,394	7	.....	.....	4,981	262
116	118,018	530	182	2	394,582	51	2	.....	25,600	263
3,465	2,093,228	4,490	1,888	117	3,202,582	290	175	1	180,061	264
207	228,279	950	72	16	707,407	97	1	.....	53,212	265
675	608,427	1,864	1,009	21	1,045,748	100	516	7	113,144	266
1,808	150,181	822	125	15	457,081	202	38	4	114,134	267
	1,460,770	8,406	13	8	5,238,930	327	2	.....	145,778	268
302	420,045	4,857	709	147	2,926,814	623	205	16	428,946	269
538	646,020	4,078	44	111	2,257,418	681	20	4	400,167	270

TABLE 4.—CAPITAL INVESTED, MISCELLANEOUS EXPENSES, AND EMPLOYÉS

MECHANICAL AND MANUFACTURING INDUSTRIES.	CAPITAL INVESTED.					Miscellaneous expenses.	
	Plant.				Live assets.		
	Total.	Land.	Buildings.	Machinery, tools, and implements.			
271 Plumbing and gas fitting .....	\$8,113,005	\$2,590,074	\$2,437,944	\$3,085,887	\$21,221,342	\$2,492,884	
272 Pocketbooks. (See also Leather goods.).....	257,005	63,416	116,184	77,465	804,709	101,033	
273 Printing and publishing, book and job. (See also Bookbinding and blank-book making.).....	40,205,690	2,509,068	3,005,354	34,721,268	26,850,755	10,855,020	
274 Printing and publishing, music. (See also Bookbinding and blank-book making.).....	924,777	52,200	33,600	838,077	801,428	362,117	
275 Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.).....	78,760,034	10,400,896	11,769,253	56,580,885	47,500,851	35,727,039	
276 Printing materials .....	562,878	16,500	62,056	484,322	807,600	121,874	
277 Printing, tip .....	114,000	-----	-----	114,000	40,910	26,092	
278 Pulp goods .....	228,574	94,900	78,118	115,466	189,471	46,228	
279 Pulp, wood .....	5,961,654	1,054,400	1,725,211	3,182,043	1,493,705	409,722	
280 Pulp from fiber, other than wood .....	321,500	38,000	78,500	205,000	202,337	33,202	
281 Pumps, not including steam pumps .....	1,697,572	447,855	631,059	618,068	1,842,626	225,377	
282 Refrigerators .....	1,140,100	313,942	404,051	430,003	2,218,130	205,322	
283 Regalia and society banners and emblems. (See also Flags and banners.).....	278,565	31,001	32,641	214,923	1,502,038	247,882	
284 Registers, car fare .....	32,050	-----	-----	32,050	41,775	13,098	
285 Registers, cash .....	96,050	8,000	25,000	63,050	106,100	16,805	
286 Rice, cleaning and polishing .....	1,422,273	301,870	500,850	550,553	651,611	147,902	
287 Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.).....	5,400,441	1,008,574	1,549,458	2,251,400	7,804,156	1,117,070	
288 Rubber and elastic goods .....	4,920,715	475,050	1,172,040	3,273,025	8,783,072	1,133,182	
289 Rules, ivory and wood .....	107,241	28,850	18,830	61,401	65,677	11,183	
290 Saddlery and harness .....	9,040,004	3,300,678	4,100,339	2,422,987	25,300,716	2,000,090	
291 Safes and vaults .....	1,318,870	172,250	202,910	853,710	3,284,230	564,750	
292 Salt .....	11,247,548	4,287,784	4,255,806	2,703,868	2,190,201	674,183	
293 Sand and emery paper and cloth .....	208,180	27,727	44,815	135,047	407,708	111,073	
294 Sausage. (See also Slaughtering.).....	787,149	200,005	264,340	255,904	341,413	115,520	
295 Saws .....	2,527,300	631,100	656,012	1,230,387	3,785,074	435,025	
296 Scales and balances .....	874,001	100,500	201,025	302,470	784,054	108,050	
297 Screws, machine .....	928,427	130,500	231,818	506,109	743,016	73,046	
298 Screws, wood .....	3,356,257	332,631	1,238,054	1,735,572	2,215,060	310,519	
299 Sewing machine cases .....	691,803	101,000	307,700	283,103	738,600	81,390	
300 Sewing machine repairing .....	72,800	14,700	9,100	48,800	110,903	47,942	
301 Sewing machines and attachments .....	5,531,743	558,062	1,362,124	3,011,557	10,511,903	1,805,050	
302 Shipbuilding .....	39,870,005	14,204,878	10,170,301	15,405,480	13,522,400	1,302,551	
303 Shirts. (See also Furnishing goods, men's.).....	2,931,474	510,050	889,553	1,531,271	11,342,137	2,188,205	
304 Shoddy .....	1,075,801	205,500	550,000	853,311	2,078,202	298,084	
305 Show cases .....	305,928	76,500	107,284	182,144	842,094	147,134	
306 Silk and silk goods .....	21,080,808	1,001,000	5,212,008	14,181,080	29,921,220	4,250,023	
307 Silversmithing .....	79,275	550	200	78,525	331,408	20,755	
308 Silverware. (See also Plated and britannia ware.).....	1,700,307	215,500	380,500	1,170,307	3,551,274	630,801	
309 Slaughtering and meat packing, wholesale. (See also Lard, refined; Sausage.).....	36,652,521	10,585,656	17,092,271	8,974,594	61,538,245	13,200,585	
310 Slaughtering, wholesale, not including meat packing. (See also Lard, refined; Sausage.).....	8,340,270	2,500,667	3,211,822	2,627,781	10,347,468	2,516,150	
311 Smelting and refining .....	4,295,843	448,010	2,086,490	1,160,443	5,130,009	472,096	
312 Soap and candles. (See also Grease and tallow.).....	11,183,713	3,140,704	4,148,037	3,894,372	13,637,356	3,935,625	
313 Soda water apparatus .....	1,122,006	238,000	225,000	107,506	2,232,022	881,110	
314 Sporting goods .....	785,500	100,500	185,095	498,981	908,270	101,709	
315 Springs, steel, car and carriage .....	1,727,252	428,159	380,783	900,310	1,732,170	178,200	
316 Stamped ware. (See also Tinsmithing, coppersmithing, and sheet-iron working.).....	4,284,347	974,250	658,630	2,051,458	4,408,541	630,881	
317 Starch .....	2,747,055	324,011	1,377,608	1,046,036	2,181,500	1,108,135	
318 Stationery goods, not elsewhere specified .....	1,908,612	207,740	350,350	1,350,522	3,403,007	425,554	
319 Steam fittings and heating apparatus. (See also Foundry and machine shop products.).....	5,953,701	977,000	1,423,441	3,453,350	11,163,573	1,485,212	
320 Steam packing .....	150,582	7,200	7,700	135,082	387,082	101,102	
321 Stencils and brands .....	261,000	16,100	18,200	231,700	184,105	58,830	
322 Stereotyping and electrotyping. (See also Type founding.).....	786,170	30,050	20,125	785,995	545,050	161,024	
323 Straw goods, not elsewhere specified. (See also Hats and caps, not including wool hats.).....	39,000	250	1,000	37,750	67,750	13,085	
324 Sugar and molasses, refining .....	14,508,975	2,880,472	3,801,614	7,727,889	9,504,033	5,920,703	
325 Surgical appliances. (See also Artificial limbs.).....	278,900	34,775	40,725	203,400	577,400	184,749	

## MANUFACTURES.

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AND WAGES IN MANUFACTURES, BY SPECIFIED INDUSTRIES: 1890—Continued.

AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.										
Officers, firm members, and clerks.		Operatives, skilled and unskilled.					Pieceworkers.			
Number.	Wages.	Males above 16 years.	Females above 15 years.	Children.	Total wages.	Males above 16 years.	Females above 15 years.	Children.	Total wages.	
7,056	\$6,847,297	34,650	66	475	\$21,891,210	250	1	.....	\$84,095	271
140	170,081	509	374	63	390,850	161	32	9	101,001	272
7,902	8,225,370	35,780	7,030	1,382	24,840,032	3,000	1,396	.....	2,802,050	273
230	224,700	328	60	24	105,553	38	3	.....	28,230	274
20,120	17,777,173	57,402	7,688	5,040	40,008,547	12,032	1,890	24	10,815,812	275
151	148,010	440	20	16	202,058	70	160	.....	75,138	276
40	45,414	203	42	6	112,000	1	.....	.....	520	277
24	27,550	211	13	7	102,010	17	4	.....	8,835	278
148	140,003	2,536	22	41	1,054,004	83	.....	.....	26,804	279
16	24,350	125	.....	2	52,881	25	.....	.....	16,025	280
386	317,571	1,660	1	13	785,400	80	.....	.....	42,108	281
195	218,933	1,542	30	69	700,803	480	27	30	204,030	282
209	306,880	636	1,056	12	627,046	39	335	2	110,208	283
10	9,020	60	.....	1	54,148	.....	.....	.....	.....	284
45	37,858	508	60	10	383,282	20	.....	.....	13,000	285
96	98,160	627	9	7	222,805	3	.....	1	628	286
2,396	2,088,512	10,044	27	103	6,414,063	159	.....	4	55,421	287
619	852,200	3,613	2,002	279	2,510,380	806	2,204	60	1,153,500	288
27	22,194	82	15	1	40,232	19	13	6	11,701	289
7,054	5,121,027	10,701	650	317	8,402,434	4,015	300	17	2,416,484	290
316	265,210	3,412	1	30	1,037,282	304	.....	.....	192,333	291
200	180,040	3,508	75	35	1,422,212	457	73	17	171,200	292
47	52,263	180	17	.....	104,220	.....	.....	.....	.....	293
209	108,447	811	21	4	302,074	1	.....	.....	252	294
207	270,108	2,110	7	150	1,330,158	352	39	9	253,908	295
150	145,078	1,263	2	12	644,412	72	.....	1	48,085	296
50	99,480	811	68	2	309,984	170	.....	.....	74,470	297
93	85,752	744	447	49	448,351	70	230	.....	91,362	298
20	34,122	1,002	8	154	500,470	565	3	.....	250,133	299
142	89,200	176	15	1	111,337	1	.....	.....	520	300
284	420,231	6,052	501	241	3,675,252	1,997	35	11	1,075,072	301
1,123	1,104,870	23,409	7	174	14,241,585	1,129	2	.....	592,302	302
1,543	1,511,108	2,575	7,817	128	3,788,358	2,802	17,740	70	5,405,137	303
144	149,483	1,243	405	13	630,002	9	460	25	76,437	304
160	158,048	1,140	4	64	651,715	112	.....	2	66,387	305
1,531	1,917,877	11,478	19,907	2,000	12,185,225	6,124	9,007	200	5,577,210	306
40	50,874	257	13	4	193,778	.....	.....	.....	.....	307
161	223,450	1,941	130	12	1,344,643	62	.....	.....	50,930	308
2,907	3,187,072	34,601	471	645	10,502,440	1,266	516	3	801,580	309
1,064	1,349,528	6,130	3	42	3,744,800	288	.....	10	250,147	310
119	171,053	1,030	1	3	950,700	.....	.....	3	600	311
1,484	1,534,704	5,981	972	461	3,200,255	144	210	53	120,599	312
154	181,041	763	13	11	502,174	53	9	.....	44,906	313
191	176,059	906	402	112	575,064	138	390	.....	129,947	314
158	211,828	1,193	.....	22	701,155	507	.....	12	261,787	315
327	388,130	3,342	857	400	1,085,100	1,574	527	30	710,573	316
218	220,900	2,289	310	94	808,802	24	108	18	60,306	317
554	630,519	1,805	1,560	180	1,420,093	218	406	7	217,167	318
1,134	1,300,002	9,100	115	112	5,407,252	1,245	73	.....	797,081	319
103	77,192	268	29	10	148,926	8	.....	.....	3,056	320
142	135,895	314	14	14	204,690	5	10	.....	4,792	321
180	245,100	1,064	17	56	724,066	102	50	.....	90,810	322
9	15,340	41	104	2	53,820	75	202	.....	14,512	324
480	429,621	6,600	232	100	2,871,142	37	14	1	18,237	325
300	248,514	342	107	28	282,507	13	30	.....	.....	.....

TABLE 4.—CAPITAL INVESTED, MISCELLANEOUS EXPENSES, AND EMPLOYÉS

MECHANICAL AND MANUFACTURING INDUSTRIES.	CAPITAL INVESTED.					Miscellaneous expenses.	
	Plant.			Machinery, tools, and implements.	Live assets.		
	Total.	Land.	Buildings.				
326 Tar and turpentine.....	\$2,500,113	\$1,070,378	.....	\$919,735	\$1,472,262	\$178,002	
327 Taxidermy.....	56,300	22,100	\$23,550	10,650	230,803	20,361	
328 Teasols.....	23,150	4,550	17,200	1,400	38,250	1,088	
329 Timber products, not manufactured at mill.....	37,823,080	30,894,070	.....	6,928,110	23,717,097	5,187,700	
330 Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	17,223,734	4,597,401	5,501,081	7,064,052	21,211,166	8,020,860	
331 Tobacco, chewing, smoking, and snuff.....	7,526,380	1,463,852	3,204,101	2,858,367	23,314,936	19,403,749	
332 Tobacco, cigars and cigarettes.....	10,103,750	3,323,453	4,077,490	2,792,810	40,924,068	17,073,063	
333 Tobacco, stemming and rehandling.....	869,735	107,685	482,375	189,725	4,865,875	424,869	
334 Tools, not elsewhere specified. (See also Cutlery and edge tools; Hardware.)	5,232,703	742,340	1,210,408	3,273,046	6,143,019	835,443	
335 Toys and games.....	1,173,652	150,050	348,200	600,402	1,007,533	283,502	
336 Trunks and valises. (See also Leather goods.)	1,854,890	634,355	608,950	551,504	5,045,857	663,702	
337 Type founding. (See also Stereotyping and electrotyping.)	2,287,971	88,500	177,500	2,023,971	2,080,338	230,007	
338 Typewriters and supplies.....	615,948	35,350	47,050	533,548	805,835	110,773	
339 Umbrellas and canes.....	807,622	150,350	187,303	550,980	4,748,667	601,328	
340 Upholstery materials. (See also Carpets and rugs, other than rag; Woolen goods; Worsted goods.)	1,441,558	343,020	407,200	300,030	2,980,000	244,043	
341 Varnish. (See also Paints.).....	2,703,840	743,525	1,083,116	877,208	8,005,004	1,310,811	
342 Vault lights and ventilators. (See also Foundry and machine shop products.)	35,250	3,000	1,500	30,750	130,975	25,388	
343 Vinegar and cider.....	3,085,501	880,388	1,188,302	1,010,871	2,172,834	355,334	
344 Washing machines and clothes wringers.....	588,735	100,580	184,370	303,778	1,124,218	82,444	
345 Watch and clock materials. (See also Clock cases and materials.)	301,250	55,500	56,100	240,050	300,531	20,008	
346 Watch cases.....	1,405,901	127,850	404,500	903,041	3,231,109	443,175	
347 Watch, clock, and jewelry repairing. (See also Jewelry.)	3,251,040	877,854	818,144	1,555,048	2,806,070	1,047,575	
348 Watches.....	4,041,217	670,971	1,554,510	2,706,736	5,164,897	733,404	
349 Whalebone and rattan. (See also Baskets and rattan and willow ware.)	12,575	.....	.....	12,575	208,783	13,297	
350 Wheelbarrows.....	483,810	110,811	107,175	155,830	682,543	86,125	
351 Whips.....	357,958	51,004	04,012	212,252	1,274,446	245,902	
352 Windmills.....	716,106	134,723	225,416	355,907	1,747,125	171,781	
353 Window shades.....	1,300,055	205,900	300,900	703,855	2,860,802	1,208,181	
354 Wire.....	5,207,094	928,655	1,505,710	2,803,320	6,300,901	447,480	
355 Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	5,178,990	917,042	1,379,625	2,882,332	6,578,903	858,877	
356 Wood preserving.....	241,000	37,000	18,000	180,000	21,718	13,385	
357 Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	3,030,007	637,500	900,028	2,386,470	3,895,001	624,837	
358 Woodenware, not elsewhere specified.....	1,474,902	310,068	506,545	648,080	1,230,707	200,001	
359 Wool hats.....	1,154,389	144,350	381,105	608,034	2,047,835	249,508	
360 Woolen goods. (See also Carpets and rugs, other than rag; Felt goods; Gloves and mittens; Hosiery and knit goods.)	57,820,243	6,534,810	19,332,575	31,052,849	73,109,007	8,402,023	
361 Worsted goods.....	27,800,810	2,812,709	7,902,805	17,085,170	40,194,300	4,917,760	
362 Zinc.....	553,500	80,000	168,000	305,500	453,820	70,723	
363 All other industries (a).....	2,030,050	170,276	704,910	1,151,355	616,172	210,518	

a Embraces fuel, artificial, 2; phonographs and graphophones, 2; racking hose, 1; rubber, vulcanized, 1; sugar and molasses, beet, 2; thread, linen, 2; tinfoil, 2.

## MANUFACTURES.

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AND WAGES IN MANUFACTURES, BY SPECIFIED INDUSTRIES: 1890—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.									
Officers, firm members, and clerks.		Operatives, skilled and unskilled.				Pieceworkers.			
Number.	Wages.	Males above 16 years.	Females above 15 years.	Children.	Total wages.	Males above 16 years.	Females above 15 years.	Children.	Total wages.
40	\$26,944	14,488	10	1	\$2,810,606	543	125	69	\$86,941
65	55,875	75	6	4	45,227	1	1	1	1,135
8	1,040	42	10	3	17,303	14	-----	-----	3,151
907	514,559	35,310	201	11	8,335,000	9,078	10	7	2,503,050
7,065	5,426,110	27,225	1,043	948	14,747,805	1,856	242	63	862,400
1,477	1,620,913	11,274	6,550	2,735	5,122,480	3,608	4,014	1,540	1,824,678
11,156	8,292,029	20,515	8,527	2,200	12,105,842	38,037	15,687	1,134	24,270,218
510	327,429	3,087	1,215	413	949,074	717	420	127	170,443
685	602,786	4,787	112	88	2,670,942	1,340	70	13	802,110
292	271,421	1,838	432	141	871,007	373	272	92	293,522
753	722,000	3,031	220	125	1,902,304	1,024	72	51	888,380
222	280,238	707	134	40	561,388	538	471	60	560,123
104	132,727	1,045	154	2	703,156	427	3	-----	242,320
841	768,907	2,606	1,831	130	1,947,570	353	1,093	-----	488,281
248	232,148	1,829	554	72	958,087	339	338	90	263,827
706	1,016,340	1,108	17	8	728,070	8	2	2	4,030
31	44,814	172	1	1	115,780	-----	-----	-----	341
751	428,388	2,432	145	30	716,986	20	10	-----	3,095
209	158,635	756	21	21	354,722	182	4	46	76,100
45	51,518	371	111	11	220,834	17	5	3	11,160
190	219,600	2,224	508	23	1,501,668	720	202	2	394,910
3,828	2,055,476	4,421	69	116	2,771,177	211	2	-----	80,043
80	101,119	1,600	847	20	1,441,620	2,326	1,793	-----	2,140,170
10	15,700	48	21	-----	38,013	-----	-----	-----	349
53	46,310	438	-----	7	101,040	122	-----	-----	50,540
143	141,380	530	156	8	307,877	138	112	-----	95,205
185	135,808	1,077	4	7	544,950	22	-----	-----	10,825
374	421,516	1,523	315	17	913,073	121	40	-----	102,282
208	327,280	7,363	43	1	3,730,744	184	5	-----	126,778
963	807,018	4,585	430	221	2,371,106	1,244	431	54	714,905
15	12,002	80	-----	-----	20,317	-----	-----	-----	356
1,028	893,370	6,425	173	227	3,110,307	440	117	11	217,246
220	180,921	1,000	14	81	787,186	638	117	62	203,227
92	113,068	1,559	523	150	755,101	601	508	9	404,875
2,436	2,339,737	40,350	25,072	4,307	24,007,103	1,780	4,487	250	2,042,001
615	935,217	17,962	17,727	3,701	13,618,476	1,109	2,355	34	1,326,400
30	88,270	1,047	-----	3	614,026	2	-----	-----	200
40	62,448	695	718	38	510,820	40	208	-----	42,812

TABLE 5.—MANUFACTURES IN STATES AND

## ALABAMA.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
1	All industries.....	2,977	\$46,122,571	\$2,707,800
2	Agricultural implements.....	3	14,475	302
3	Awnings, tents, and sails.....	5	3,400	1,011
4	Blacksmithing and wheelwrighting.....	108	141,791	14,316
5	Bookbinding and blank-book making.....	4	7,660	948
6	Boots and shoes, custom work and repairing.....	94	44,363	11,001
7	Boxes, wooden packing.....	8	10,055	1,711
8	Brass castings and brass finishing.....	3	22,110	317
9	Bread and other bakery products.....	83	153,832	17,834
10	Brick and tile.....	59	705,108	53,904
11	Brooms and brushes.....	3	2,610	508
12	Carpentering.....	99	278,573	100,903
13	Carriages and wagons, including custom work and repairing.....	54	456,185	20,682
14	Cars and general shop construction and repairs by steam railroad companies.....	12	600,011	—
15	Cars, steam railroad, not including operations of railroad companies.....	3	1,050,044	49,760
16	Clay and pottery products.....	11	37,208	833
17	Clothing, men's, custom work and repairing.....	98	173,310	20,316
18	Clothing, men's, factory product.....	3	78,463	3,156
19	Clothing, women's, dressmaking.....	102	60,464	17,270
20	Coffins and burial cases, trimming and finishing.....	10	16,390	2,038
21	Coffins, burial cases, and undertakers' goods.....	3	2,425	324
22	Coke.....	19	1,308,238	7,994
23	Confectionery.....	16	56,610	6,085
24	Cotton, ginning.....	212	289,228	14,263
25	Cotton goods.....	13	2,853,015	154,893
26	Dentistry, mechanical.....	20	15,539	3,004
27	Druggists' preparations, not including prescriptions.....	10	14,175	2,123
28	Dyeing and cleaning.....	7	0,345	3,135
29	Fertilizers.....	8	709,250	48,715
30	Flouring and grist mill products.....	702	1,410,730	50,535
31	Foundry and machine shop products.....	41	2,355,253	113,282
32	Furniture, cabinetmaking, repairing, and upholstering.....	9	0,120	1,911
33	Furniture, factory product.....	3	32,005	1,081
34	Gas, illuminating and heating.....	7	825,988	16,050
35	Hosiery and knit goods.....	3	94,373	3,422
36	Ice, artificial.....	18	508,460	21,927
37	Iron and steel.....	35	17,870,583	1,080,600
38	Leather, tanned and cured.....	21	38,045	1,546
39	Lime and cement.....	11	226,000	16,517
40	Liquors, malt.....	3	438,000	88,046
41	Lock and gun smithing.....	12	13,430	2,828
42	Looking-glass and picture frames.....	3	2,800	626
43	Lumber and other mill products from logs or bolts.....	437	7,225,170	201,915
44	Lumber, planing mill products, including sash, doors, and blinds.....	47	798,105	27,861
45	Marble and stone work.....	5	60,782	2,470
46	Masonry, brick and stone.....	31	232,124	91,020
47	Mattresses and spring beds.....	11	22,812	3,034
48	Millinery, custom work.....	39	120,701	19,111
49	Mineral and soda waters.....	14	115,578	18,835
50	Monuments and tombstones.....	7	41,505	6,061
51	Oil, cottonseed and cake.....	9	502,408	87,003
52	Painting and paper hanging.....	32	118,445	13,585
53	Paving and paving materials.....	5	8,700	6,108
54	Photography.....	20	37,485	6,560
55	Plastering and stuccowork.....	6	2,625	870
56	Plumbing and gas fitting.....	21	98,067	6,061
57	Printing and publishing, book and job.....	26	102,237	18,585
58	Printing and publishing, newspapers and periodicals.....	121	666,904	135,654
59	Roofing and roofing materials.....	12	75,288	6,603
60	Saddlery and harness.....	22	119,005	12,145
61	Shipbuilding.....	5	37,750	1,085
62	Timber products, not manufactured at mill.....	35	234,038	88,582
63	Tinsmithing, coppersmithing, and sheet-iron working.....	25	133,600	10,825
64	Tobacco, cigars and cigarettes.....	21	67,995	20,234
65	Trunks and valises.....	4	9,020	3,667

## MANUFACTURES.

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TERRITORIES, BY SPECIFIED INDUSTRIES: 1890.

## ALABAMA.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.								
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Value of products, including receipts from custom work and repairing.
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	
33,821	\$12,676,029	2,684	\$1,876,282	28,800	\$9,875,834	2,328	\$923,013	\$28,432,281
14	7,748	2	1,500	12	6,248	-----	5,368	16,218
9	3,076	1	780	7	2,100	1	4,338	15,500
316	123,045	120	55,477	212	66,832	8	1,036	230,104
13	6,189	3	2,600	10	3,569	-----	5,417	14,550
156	70,778	61	28,787	68	28,925	27	13,000	49,805
12	3,241	3	1,235	9	2,000	-----	8,770	15,220
21	11,039	6	4,555	15	7,384	-----	20,333	59,950
178	76,022	46	25,407	118	46,325	14	4,200	233,405
1,570	350,089	48	30,440	1,440	301,585	82	18,058	140,754
24	8,408	4	2,000	14	3,704	6	2,704	5,679
805	463,548	91	66,270	750	382,988	54	14,890	838,234
420	201,240	47	33,202	366	160,742	10	7,200	324,001
1,377	763,054	4	2,820	1,373	761,134	-----	784,304	1,581,207
917	542,549	24	16,004	625	523,200	208	202,355	1,287,800
62	15,387	6	2,693	51	11,408	5	1,100	3,803
286	184,075	39	35,530	94	58,780	163	90,350	199,710
172	31,300	3	4,200	54	15,300	115	11,800	136,875
405	128,147	64	28,500	330	97,391	11	2,100	230,375
10	8,900	0	3,846	10	5,144	-----	6,300	22,315
6	2,580	2	1,170	4	1,410	-----	1,170	8,180
1,128	436,048	8	4,805	301	140,985	720	201,158	1,810,274
60	23,453	23	10,076	33	9,897	4	2,580	69,545
890	75,540	104	18,370	774	56,288	18	873	35,982
2,137	447,173	49	44,205	1,974	386,200	114	10,018	1,459,048
29	11,547	19	9,035	10	1,612	-----	5,474	25,784
24	10,858	15	7,037	9	3,821	-----	12,565	31,318
32	15,214	6	3,910	23	11,304	-----	2,438	20,825
251	60,310	21	17,475	230	42,835	22	1,420	510,713
1,442	266,460	300	100,325	1,021	155,705	22	2,471,828	3,060,462
1,551	844,044	91	108,042	1,361	688,724	90	47,278	817,023
23	12,199	8	4,520	12	6,604	3	1,075	7,600
43	17,280	4	2,480	39	14,800	-----	10,120	41,100
75	40,423	13	15,880	62	35,543	-----	86,928	206,623
412	64,848	3	2,028	401	61,312	8	1,498	103,803
247	86,056	31	20,360	216	66,260	-----	41,501	818,028
5,878	2,522,008	103	310,044	5,685	2,202,064	-----	7,425,344	12,544,227
51	11,314	10	3,317	38	7,822	3	175	42,539
856	106,040	10	8,391	330	93,649	10	4,000	58,158
102	76,240	13	21,500	89	54,740	-----	140,000	414,980
24	14,750	10	6,076	12	7,104	2	1,000	5,102
0	2,000	4	1,096	2	400	-----	2,812	6,700
6,123	1,836,721	381	236,927	5,637	1,581,544	105	18,850	4,481,362
714	344,614	75	61,447	627	278,467	12	4,700	615,583
45	30,481	5	6,400	40	28,081	-----	91,887	149,562
690	308,065	42	46,176	626	314,358	22	7,461	771,717
56	14,810	5	2,956	87	5,581	14	6,282	48,245
151	63,270	40	26,810	102	36,400	-----	212,005	873,050
79	32,718	22	12,046	56	10,072	1	100	29,867
37	20,062	6	4,480	28	13,710	3	1,872	22,034
638	133,348	43	46,985	488	85,543	2	820	945,099
222	143,010	31	21,086	187	121,774	4	1,050	100,350
59	20,074	5	2,472	44	17,452	10	750	42,708
56	28,025	20	14,000	32	14,134	4	425	29,051
41	23,407	6	4,828	35	18,570	-----	17,800	48,252
156	100,102	23	22,547	133	77,015	-----	185,429	836,667
213	137,040	30	35,234	103	96,152	14	6,260	97,115
617	371,707	117	104,303	471	238,352	59	20,052	159,555
104	67,080	18	19,170	81	44,013	5	3,900	140,840
91	49,973	24	18,970	64	30,044	3	50	115,030
85	26,074	3	750	74	21,715	8	2,609	9,493
614	124,860	21	12,924	479	80,152	114	22,700	69,800
138	83,140	21	17,017	117	65,223	-----	156,685	809,650
158	74,057	15	9,512	25	9,036	118	56,110	81,248
41	16,834	3	2,280	38	14,554	-----	14,809	42,825

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
ALABAMA—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
66	Watch, clock, and jewelry repairing .....	53	\$55,055	\$10,850
67	Wood, turned and carved .....	3	4,760	450
68	Woolen goods .....	6	18,325	419
69	All other industries (a) .....	47	813,513	34,867

a Embraces babbitt metal and solder, 1; bagging, flax, hemp, and jute, 1; boot and shoe uppers, 1; boots and shoes, factory product, 1; boxes, cigar, 1; carriage and wagon materials, 1; cars and general shop construction and repairs by street railroad companies, 1; chemicals, 1; cooperage, 2; cordage and twine, 1; dye stolls and extracts, 1; fancy articles, not elsewhere specified, 1; furnishing goods, men's, 1; furniture, chairs, 1; hand stamps, 1; hardware, 1; high explosives, 1; house furnishing goods, not elsewhere specified, 1; iron and steel, bolts, nuts, washers, and rivets, 1; iron and steel, nails and

ALASKA.

1	Lumber and other mill products from logs or bolts .....	10	105,727	5,252
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ARIZONA.

1	All industries .....	70	610,020	49,231
2	Blacksmithing and wheelwrighting .....	14	30,025	2,466
3	Boots and shoes, custom work and repairing .....	3	1,078	281
4	Brick and tile .....	3	1,210	37
5	Cars and general shop construction and repairs by steam railroad companies .....	3	73,724	.....
6	Lumber and other mill products from logs or bolts .....	4	212,075	10,485
7	Mineral and soda waters .....	3	7,450	896
8	Printing and publishing, newspapers and periodicals .....	21	100,598	19,100
9	Tinsmithing, coppersmithing, and sheet-iron working .....	9	22,720	2,247
10	All other industries (a) .....	22	166,651	13,719

a Embraces carriages and wagons, including custom work and repairing, 1; cooperage, 2; flouring and grist mill products, 5; foundry and machine shop products, 1; gas, illuminating and heating, 2; ice, artificial, 2; lumber, planing mill products,

ARKANSAS.

1	All industries .....	2,073	14,071,014	1,035,107
2	Blacksmithing and wheelwrighting .....	232	143,852	10,084
3	Boots and shoes, custom work and repairing .....	40	14,678	4,843
4	Bread and other bakery products .....	13	21,014	6,349
5	Brick and tile .....	48	296,028	32,002
6	Carpentering .....	51	104,035	46,017
7	Carriages and wagons, including custom work and repairing .....	44	166,820	8,360
8	Cars and general shop construction and repairs by steam railroad companies .....	8	355,747	.....
9	Clay and pottery products .....	9	22,234	1,685
10	Clothing, men's, custom work and repairing .....	19	66,986	10,700
11	Clothing, women's, dressmaking .....	27	17,850	4,836
12	Coffins and burial cases, trimming and finishing .....	6	11,195	3,405
13	Confectionery .....	3	41,195	1,370
14	Cooperage .....	3	739	36
15	Cotton, compressing .....	4	370,263	10,120
16	Cotton, ginning .....	137	221,020	12,077
17	Dentistry, mechanical .....	5	4,300	470
18	Druggists' preparations, not including prescriptions .....	7	23,095	2,508
19	Dyeing and cleaning .....	6	2,485	1,521
20	Flouring and grist mill products .....	376	975,010	53,883
21	Foundry and machine shop products .....	18	393,767	30,736
22	Fruits and vegetables, canning and preserving .....	8	63,530	7,046
23	Furniture, cabinetmaking, repairing, and upholstering .....	10	9,230	1,351
24	Furniture, chairs .....	3	16,670	408
25	Furniture, factory product .....	4	118,634	10,023
26	Gas, illuminating and heating .....	7	507,042	26,760
27	Ice, artificial .....	5	273,052	12,406
28	Ironwork, architectural and ornamental .....	3	16,370	1,016
29	Leather, tanned and curried .....	5	13,525	454
30	Lime and cement .....	5	37,140	2,251
31	Liquors, distilled .....	14	47,075	23,170

## MANUFACTURES.

705

BY SPECIFIED INDUSTRIES: 1890—Continued.

## ALABAMA—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.									
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.		
71	\$10,887	35	\$18,413	36	\$28,474	.....	.....	\$15,345	\$98,220
72	10,556	5	1,708	67	8,818	.....	.....	2,914	14,400
16	3,125	3	1,025	12	1,020	1	\$180	10,997	17,150
925	314,838	50	88,452	818	254,057	57	21,720	483,918	1,050,472

spikes, cut and wrought, including wire nails, 1; ironwork, architectural and ornamental, 2; lightning rods, 1; oysters, canning and preserving, 1; patent medicines and compounds, 2; pickles, preserves, and sauces, 2; safes and vaults, 1; saws, 1; shirts, 1; soap and candles, 2; sugar and molasses, refining, 2; tar and turpentine, 7; tobacco, chewing, smoking, and snuff, 1; vinegar and cider, 1; woodenware, not elsewhere specified, 2.

## ALASKA.

86	22,173	8	3,548	78	18,025	.....	.....	30,108	58,440	1
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## ARIZONA.

528	358,127	70	55,981	454	290,020	4	8,120	358,814	947,547	1
26	17,217	8	4,815	18	12,402	.....	.....	19,588	54,830	2
3	1,385	2	985	.....	.....	1	400	2,050	5,450	3
81	2,000	.....	.....	31	2,000	.....	.....	700	4,300	4
142	114,404	2	1,414	140	112,000	.....	.....	74,085	180,390	5
97	58,150	3	980	94	67,770	.....	.....	120,705	248,700	6
4	4,700	3	4,300	1	400	.....	.....	3,558	14,164	7
124	89,091	33	26,012	88	54,350	3	2,720	26,557	154,600	8
16	11,738	.....	.....	10	11,738	.....	.....	14,740	41,250	0
85	64,842	10	18,075	68	46,707	.....	.....	84,271	234,783	10

including sash, doors, and blinds, 2; saddlery and harness, 5; tobacco, chewing, smoking, and snuff, 1; tobacco, cigars and cigarettes, 1.

## ARKANSAS.

15,072	5,740,888	1,820	1,100,702	18,460	4,471,006	683	178,180	12,307,201	22,650,179	1
347	139,455	212	98,215	126	30,407	0	1,833	70,034	270,870	2
77	40,131	41	22,001	28	14,814	8	3,220	25,127	75,023	3
48	20,121	11	9,004	37	10,217	.....	.....	43,902	86,855	4
709	107,675	89	25,592	613	182,440	57	9,634	100,107	484,885	5
456	230,321	54	48,000	402	181,412	.....	.....	687,154	670,230	6
194	102,500	38	26,020	140	79,816	7	2,124	65,875	204,006	7
800	583,215	23	20,028	847	563,187	.....	.....	715,340	1,290,558	8
76	22,338	10	4,848	60	15,856	6	1,030	7,438	35,840	9
105	90,296	24	24,548	30	24,852	51	40,896	72,075	108,179	10
133	51,600	80	10,004	103	32,086	.....	.....	83,215	153,071	11
12	7,408	6	4,024	6	3,444	.....	.....	14,010	30,040	12
16	9,684	3	2,224	13	7,360	.....	.....	10,904	31,681	13
4	875	2	800	2	75	.....	.....	874	1,695	14
127	44,240	14	8,701	113	35,488	.....	.....	71,155	150,003	15
645	63,008	70	12,370	564	50,031	5	607	30,725	153,220	16
5	1,536	5	1,535	.....	.....	.....	.....	1,155	8,383	17
26	14,808	12	7,298	14	7,570	.....	.....	11,025	84,012	18
10	4,100	5	2,584	5	1,612	.....	.....	1,550	8,704	19
982	169,700	250	62,351	731	106,410	11	1,020	2,041,587	2,498,188	20
271	178,255	36	39,078	230	133,977	5	4,000	87,180	376,150	21
327	25,034	7	1,730	217	20,104	103	3,800	54,455	93,101	22
28	7,701	9	4,822	17	2,780	2	150	4,501	18,010	23
15	5,563	1	3,050	14	4,013	.....	.....	8,983	11,720	24
107	62,072	6	8,350	96	40,842	5	2,880	48,375	145,000	25
47	96,486	14	16,080	33	10,200	.....	.....	30,890	153,546	26
81	33,882	9	7,020	72	26,802	.....	.....	31,887	168,040	27
34	24,980	6	6,180	28	18,800	.....	.....	20,515	53,000	28
9	2,814	1	250	8	2,564	.....	.....	12,705	18,084	29
47	11,520	1	300	46	11,130	.....	.....	5,335	38,075	30
38	7,541	7	2,050	31	4,582	.....	.....	11,085	52,775	31

## COMPENDIUM OF THE ELEVENTH CENSUS: 1890.

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
ARKANSAS—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
32	Lock and gunsmithing.....	7	\$5,002	\$1,731
33	Lumber and other mill products from logs or bolts.....	523	6,818,643	276,852
34	Lumber, planing mill products, including sash, doors, and blinds.....	38	850,092	45,200
35	Masonry, brick and stone.....	14	22,166	2,391
36	Mattresses and spring beds.....	5	10,030	733
37	Millinery, custom work.....	16	66,070	6,311
38	Mineral and soda waters.....	6	33,585	3,017
39	Monuments and tombstones.....	10	10,170	855
40	Oil, cottonseed and cake.....	8	1,488,890	160,148
41	Painting and paper hanging.....	20	32,873	3,003
42	Patent medicines and compounds.....	4	14,250	3,305
43	Photography.....	10	17,305	4,200
44	Plastering and stuccowork.....	5	1,315	292
45	Plumbing and gas fitting.....	6	40,800	4,388
46	Printing and publishing, book and job.....	7	53,130	5,590
47	Printing and publishing, newspapers and periodicals.....	144	500,349	122,419
48	Roofing and roofing materials.....	5	10,640	504
49	Saddlery and harness.....	32	100,700	10,450
50	Sugar and molasses, refining.....	3	395	37
51	Timber products, not manufactured at mill.....	16	100,777	12,089
52	Tinsmithing, coppersmithing, and sheet-iron working.....	18	45,786	3,117
53	Tobacco, cigars and cigarettes.....	8	20,590	5,610
54	Watch, clock, and jewelry repairing.....	15	11,910	3,130
55	Woolen goods.....	6	27,435	752
56	All other industries (a) .....	27	810,156	22,725

<sup>a</sup> Embraces awnings, tents, and sails, 1; baking and yeast powders, 1; boxes, wooden packing, 2; brooms and brushes, 2; carriage and wagon materials, 2; cars and general shop construction and repairs by street railroad companies, 1; cotton goods, 2; hand stamps, 1; jewelry, 2; looking-glass and picture frames, 2; marble and stone work, 2; musical instruments and materials,

## CALIFORNIA.

1	All industries.....	7,023	140,707,102	12,084,101
2	Agricultural implements.....	35	2,072,297	97,058
3	Ammunition.....	6	150,610	1,891
4	Artificial feathers and flowers.....	6	3,032	1,085
5	Awnings, tents, and sails.....	15	63,630	8,576
6	Axle grease.....	3	50,550	1,026
7	Bags, other than paper.....	7	475,020	35,350
8	Baskets and rattan and willow ware.....	9	28,452	4,408
9	Belting and hose, leather.....	4	120,838	12,039
10	Billiard tables and materials.....	4	48,780	5,976
11	Blacksmithing and wheelwrighting.....	638	1,370,000	121,806
12	Bookbinding and blank-book making.....	24	171,414	17,050
13	Boot and shoe uppers.....	9	22,740	3,207
14	Boots and shoes, custom work and repairing.....	410	250,401	68,635
15	Boots and shoes, factory product.....	56	1,740,175	141,260
16	Boxes, cigar.....	6	111,150	14,048
17	Boxes, fancy and paper.....	7	83,175	10,027
18	Boxes, wooden packing.....	10	1,067,725	107,740
19	Brass castings and brass finishing.....	10	158,900	20,318
20	Brassware.....	3	6,860	1,279
21	Bread and other bakery products.....	236	1,300,765	334,054
22	Brick and tile.....	52	1,478,901	83,013
23	Bridges.....	7	108,275	30,304
24	Brooms and brushs.....	19	50,520	8,142
25	Carpentering.....	345	1,236,190	622,091
26	Carpets, rug.....	3	3,586	307
27	Carriage and wagon materials.....	16	67,042	4,054
28	Carriages and wagons, including custom work and repairing.....	227	1,790,574	120,390
29	Cars and general shop construction and repairs by steam railroad companies.....	10	3,130,514	-----
30	Cars and general shop construction and repairs by street railroad companies.....	10	107,414	7,213
31	Cheese, butter, and condensed milk, factory product.....	19	125,050	7,191
32	Chemicals.....	19	1,442,125	62,300
33	Clay and pottery products.....	12	1,018,082	155,469
34	Clothing, men's, custom work and repairing.....	381	1,500,805	426,307
35	Clothing, men's, factory product.....	121	724,697	57,144
36	Clothing, women's, dressmaking.....	470	361,071	112,107

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## ARKANSAS—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
11	\$7,570	5	\$3,600	6	\$3,880	275	\$70,528	\$1,000	\$13,310	32
6,712	2,068,870	415	225,795	6,022	1,772,547	275	-----	4,783,378	8,800,017	33
710	348,086	70	69,324	635	277,602	5	2,000	1,210,161	1,701,032	34
162	81,028	14	13,840	148	67,788	-----	-----	132,149	238,588	35
14	6,394	2	1,127	9	4,027	3	340	8,242	16,170	36
83	35,142	13	10,831	70	24,311	-----	-----	97,701	173,725	37
26	13,980	7	6,220	10	7,700	-----	-----	38,002	38,002	38
34	15,093	10	5,008	24	9,065	-----	-----	12,020	40,601	39
530	196,767	25	38,110	611	158,051	-----	-----	1,310,039	1,881,008	40
108	65,085	24	10,700	83	46,139	1	150	41,039	124,058	41
19	10,940	6	5,032	13	5,314	-----	-----	10,715	31,322	42
23	17,745	11	10,424	11	7,240	1	75	4,018	35,534	43
24	10,634	5	3,075	10	9,050	-----	-----	4,801	17,038	44
65	47,804	8	8,715	40	37,060	8	2,113	101,471	193,200	45
36	24,380	12	10,419	23	18,070	1	500	14,580	78,020	46
624	322,742	112	85,322	481	223,057	31	10,703	181,120	737,588	47
11	6,053	4	3,170	7	3,483	-----	-----	13,349	23,204	48
87	43,291	31	10,381	51	21,002	5	2,308	63,694	138,916	49
13	611	2	85	11	526	-----	-----	980	2,300	50
270	56,106	10	4,810	244	47,470	22	8,850	15,190	149,035	51
61	42,254	22	17,871	39	24,383	-----	-----	52,453	104,807	52
87	16,742	9	6,130	18	4,077	10	5,920	17,810	46,813	53
31	22,508	13	10,200	18	12,308	-----	-----	6,510	35,500	54
31	6,231	9	2,950	22	3,281	-----	-----	28,030	38,300	55
374	125,447	30	26,088	202	95,135	52	4,224	230,422	410,204	56

not specified, 1; paints, 1; paving and paving materials, 1; saws, 1; shipbuilding, 1; soap and candles, 1; vinegar and cider, 1; wirework, including wire rope and cable, 2.

## CALIFORNIA.

83,642	51,538,780	10,046	10,305,802	59,050	35,305,644	13,640	5,807,274	120,243,683	213,403,900	1
680	555,016	70	86,072	508	456,710	21	12,234	575,776	1,617,484	2
71	30,036	8	10,319	63	29,317	-----	-----	100,313	234,005	3
12	6,743	5	2,851	6	2,632	1	200	2,328	12,127	4
88	82,616	10	8,000	76	74,300	2	316	121,700	255,042	5
19	9,030	3	3,000	16	6,030	-----	-----	23,308	57,020	6
482	188,012	6	12,630	149	91,576	327	84,400	844,349	1,133,250	7
48	23,208	10	7,005	20	6,562	18	6,000	10,441	45,409	8
48	34,340	5	6,700	43	27,556	-----	-----	101,401	170,708	9
36	28,104	6	5,148	25	20,610	5	2,400	15,071	55,040	10
1,446	960,031	580	306,462	888	652,007	30	11,172	610,108	2,108,450	11
303	172,880	35	44,674	260	125,172	8	3,040	60,615	347,413	12
36	25,706	9	10,028	13	9,800	14	5,242	42,818	75,719	13
723	417,428	370	217,278	167	102,311	177	97,830	220,950	828,570	14
2,472	1,261,510	192	152,600	1,188	668,582	1,082	540,837	1,524,272	3,395,043	15
181	77,757	21	18,180	93	48,500	47	15,978	80,805	105,040	16
144	60,407	8	8,600	97	30,760	39	12,047	67,800	161,950	17
734	430,354	43	51,400	646	305,472	45	22,422	885,056	1,711,084	18
116	90,536	13	12,540	102	77,812	1	175	157,867	290,574	19
12	8,090	1	1,040	11	7,050	-----	-----	5,980	17,110	20
1,416	1,024,215	365	315,414	1,000	708,801	-----	-----	2,185,324	4,112,577	21
1,447	628,842	55	55,063	1,280	546,874	112	20,905	346,340	1,371,054	22
200	135,222	23	32,040	188	103,182	-----	-----	245,110	474,867	23
152	66,400	27	20,121	58	19,575	67	20,778	64,412	106,224	24
2,263	2,014,160	350	377,763	1,842	1,585,941	65	50,456	2,500,041	5,786,141	25
7	3,220	9	1,800	1	300	3	1,020	1,102	4,747	26
41	32,044	14	13,000	27	18,984	-----	-----	24,077	65,738	27
1,188	882,380	185	178,580	959	679,108	44	24,092	678,056	1,984,805	28
2,887	2,175,434	20	23,840	2,858	2,151,504	-----	-----	2,777,306	4,923,071	29
151	132,503	1	900	150	131,603	-----	-----	114,006	256,015	30
54	20,000	5	2,730	40	23,300	-----	-----	181,283	172,570	31
278	189,554	18	26,711	200	162,843	-----	-----	890,026	1,463,802	32
303	200,407	81	40,000	355	215,777	7	4,720	270,121	895,200	33
2,535	1,987,894	408	476,236	640	449,954	1,397	1,061,704	2,038,616	5,288,797	34
1,884	787,677	607	276,218	280	140,188	997	371,271	1,407,404	2,568,921	35
2,211	935,102	406	317,314	1,700	607,214	30	10,574	1,130,837	2,547,235	36

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
CALIFORNIA—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establish- ments report- ing.	Capital.	Miscele- nous expenses.
37	Clothing, women's, factory product.....	78	\$645,805	\$79,081
38	Coffee and spico, roasting and grinding.....	22	1,440,178	90,287
39	Coffins and burial cases, trimming and finishing.....	9	80,595	12,280
40	Confectionery.....	84	598,086	110,072
41	Cooperage.....	38	752,333	39,802
42	Cordials and syrups.....	8	130,500	13,489
43	Cork, cutting .....	4	11,320	1,673
44	Corsets .....	9	2,449	2,484
45	Cutlery and edge tools.....	7	37,210	4,770
46	Dentistry, mechanical.....	133	135,300	46,822
47	Druggists' preparations, not including prescriptions.....	35	42,720	10,093
48	Dyeing and cleaning.....	31	162,210	28,809
49	Electroplating .....	7	14,005	3,452
50	Engraving and diesinking.....	14	4,095	2,474
51	Engraving, steel, including plate printing.....	6	9,095	1,773
52	Engraving, wood.....	11	4,705	2,389
53	Fancy articles, not elsewhere specified.....	17	15,708	3,743
54	Fertilizers .....	4	230,600	17,038
55	Fish, canning and preserving.....	3	47,070	1,900
56	Flavoring extracts.....	0	09,800	10,128
57	Flouring and grist mill products.....	101	6,126,305	494,021
58	Food preparations.....	20	244,014	44,721
59	Foundry and machine shop products.....	154	5,841,098	379,823
60	Fruits and vegetables, canning and preserving.....	61	2,622,800	351,334
61	Fur goods.....	8	482,300	14,718
62	Furnishing goods, men's.....	47	1,257,683	70,051
63	Furniture, cabinetmaking, repairing, and upholstering .....	108	420,014	60,963
64	Furniture, chairs .....	3	37,050	4,734
65	Furniture, factory product.....	32	656,091	98,308
66	Gas and lamp fixtures.....	5	70,600	10,733
67	Gas, illuminating and heating.....	44	13,065,857	334,401
68	Gas machines and meters.....	4	13,075	677
69	Glass, cutting, staining, and ornamenting .....	0	88,802	5,607
70	Gloves and mittens.....	21	560,300	36,193
71	Glue .....	4	103,275	0,986
72	Grease and tallow .....	5	114,100	9,785
73	Hairwork .....	20	37,047	18,563
74	Hand stamps .....	14	84,055	6,673
75	Hardware, saddlery .....	4	6,765	511
76	Hats and caps, not including wool hats.....	17	80,402	8,384
77	High explosives .....	4	2,194,008	147,272
78	Ice, artificial .....	7	104,035	3,535
79	Instruments, professional and scientific .....	8	33,225	6,022
80	Iron and steel .....	3	3,853,481	159,200
81	Iron and steel, forgings .....	3	78,505	8,234
82	Ironwork, architectural and ornamental .....	26	465,100	35,028
83	Ivory and bone work .....	3	2,200	555
84	Jewelry .....	43	435,028	24,007
85	Knoxin and other earth grinding .....	3	186,700	0,654
86	Lapidary work .....	4	5,005	591
87	Leather, tanned and curried .....	62	3,110,298	183,428
88	Lime and cement .....	17	802,576	25,433
89	Liquors, distilled .....	8	106,053	122,934
90	Liquors, malt .....	65	5,525,041	643,508
91	Liquors, vinous .....	128	3,720,413	142,612
92	Lithographing and engraving .....	8	380,000	34,001
93	Lock and gun smithing .....	55	49,632	11,588
94	Looking-glass and picture frames .....	32	367,800	32,583
95	Lumber and other mill products from logs or bolts .....	221	15,833,636	537,224
96	Lumber, planing mill products, including sash, doors, and blinds .....	120	3,030,308	228,860
97	Malt .....	7	635,025	20,608
98	Marble and stone work .....	28	439,880	28,006
99	Masonry, brick and stone .....	41	503,483	66,518
100	Matches .....	3	47,004	11,141
101	Mattresses and spring beds .....	10	133,372	16,884
102	Millinery and lace goods .....	5	53,800	5,849
103	Millinery, custom work .....	114	409,918	95,722
104	Mineral and soda waters .....	53	611,484	85,043

## MANUFACTURES.

709

BY SPECIFIED INDUSTRIES: 1890—Continued.

## CALIFORNIA—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.								Cost of materials used.	Value of products, including receipts from custom work and repairing.		
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.					
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.				
1,218	\$480,773	181	\$125,871	661	\$250,010	376	\$104,202	\$652,761	\$1,751,433		
318	237,006	88	110,830	220	116,227	1	1,000	2,183,127	2,780,521		
28	20,356	10	13,200	17	16,000	1	150	54,280	118,960		
712	376,057	172	148,220	527	225,287	13	3,150	705,558	1,685,312		
400	344,871	90	30,554	148	107,477	201	200,840	643,740	1,182,320		
64	37,304	24	20,084	40	16,020			146,724	280,555		
19	7,584	3	2,444	14	4,180	2	900	10,100	20,800		
28	10,375	7	4,100	18	6,085	1	130	5,811	21,508		
54	39,556	9	8,420	45	31,130			22,418	120,012		
203	102,933	135	142,444	55	42,380	13	8,100	62,847	430,783		
65	34,937	37	22,051	27	12,700	1	80	32,873	108,457		
306	204,095	30	31,155	255	163,805	12	10,035	51,173	388,003		
23	21,357	8	8,035	15	12,722			15,005	43,700		
24	10,078	14	14,256	10	4,822			3,210	30,600		
24	20,368	9	11,524	13	8,444	2	400	18,028	47,445		
26	17,074	12	11,000	10	4,825	4	250	2,502	25,060		
47	15,250	15	6,000	24	6,100	8	2,184	7,888	34,580		
117	52,408	6	7,080	111	44,728			170,075	284,500		
70	15,254	5	2,815	49	3,800	25	8,570	20,475	44,120		
45	26,445	20	10,070	25	9,775			69,890	160,740		
1,044	817,601	180	258,301	850	557,024	5	2,270	12,047,810	14,200,320		
166	97,003	32	25,433	134	71,030			339,972	583,917		
3,502	2,044,120	310	388,202	9,177	2,652,202	15	3,665	3,315,000	7,707,780		
5,702	837,855	122	81,058	3,120	471,240	2,541	285,557	3,888,023	6,211,440		
168	84,010	13	17,000	123	50,010	22	7,040	813,045	1,227,800		
1,136	487,149	126	71,033	110	64,342	894	350,874	1,563,114	2,457,201		
481	375,521	116	100,087	327	237,287	38	29,197	417,288	1,031,747		
43	20,236	0	7,700	30	17,716	1	800	24,326	62,600		
703	583,425	62	73,088	580	402,401	155	107,840	476,427	1,404,320		
84	63,718	7	8,834	77	54,894			37,775	130,525		
988	769,177	117	130,750	871	620,427			1,175,135	3,681,705		
8	4,760	4	2,400	4	2,300			2,517	17,515		
94	73,145	11	11,048	82	61,407	1	600	40,854	154,288		
483	261,356	50	50,072	220	105,538	207	66,740	320,723	754,074		
36	21,929	8	2,500	33	19,330			37,050	88,012		
22	10,576	8	6,516	14	10,000			130,084	172,980		
86	47,710	21	10,487	65	28,232			20,197	100,767		
66	44,501	19	23,197	36	20,784	1	620	20,582	108,692		
9	3,904	5	2,418	4	1,576			874	5,020		
131	72,644	20	14,012	37	10,548	74	38,184	72,454	180,565		
311	268,300	26	68,920	280	104,770	5	9,700	978,100	2,523,770		
44	23,305	6	5,208	36	15,407	2	2,000	19,070	83,430		
26	22,630	8	7,010	17	14,140	1	780	7,212	43,875		
925	585,000	32	45,400	803	540,500			1,393,301	2,281,402		
44	34,024	6	8,500	38	25,524			150,023	234,139		
374	310,317	86	45,016	316	249,057	22	16,244	411,222	914,874		
7	3,842	1	410	6	3,420			1,740	9,100		
285	250,800	50	67,268	221	184,041	8	4,000	1,097,871	1,520,071		
37	19,410	6	4,750	25	10,500	6	4,100	1,04,330	135,145		
8	8,006	5	6,116	3	1,950			8,220	14,500		
1,103	820,331	94	119,012	1,088	600,795	11	9,024	4,165,410	5,720,278		
288	171,258	14	15,150	266	149,408	8	6,700	190,770	544,288		
45	14,012	3	2,448	42	12,464			53,498	220,701		
804	722,610	104	130,403	700	502,153			1,170,897	3,628,230		
850	290,430	121	90,872	701	185,003	34	5,555	840,222	1,738,863		
275	103,782	25	30,624	240	150,010	10	4,142	145,445	406,044		
98	68,242	57	38,527	37	23,519	4	1,190	21,402	107,767		
102	133,034	48	38,808	140	92,310	4	1,850	104,680	335,800		
4,588	1,004,565	268	215,905	4,243	1,750,700	77	27,954	4,366,045	8,453,064		
2,350	1,778,684	225	208,911	2,098	1,405,000	34	14,067	2,355,375	4,941,400		
72	60,307	10	13,953	62	47,044			308,153	552,872		
932	821,110	35	49,332	293	268,708	4	3,070	308,436	833,247		
702	727,507	40	74,041	713	653,526			1,260,620	2,258,814		
86	34,775	2	1,824	84	32,051			35,358	102,383		
174	110,666	18	15,081	114	67,833	42	27,152	105,802	346,250		
60	31,234	8	8,400	52	22,774			88,445	151,368		
528	260,284	107	115,784	357	142,700	4	1,800	530,305	1,125,755		
241	164,340	67	59,057	174	105,283			134,204	546,047		

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
CALIFORNIA—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
105	Models and patterns.....	10	\$26,030	\$4,003
106	Monuments and tombstones.....	29	216,310	15,345
107	Musical instruments and materials, not specified.....	12	7,925	2,728
108	Musical instruments, organs and materials.....	5	25,000	3,000
109	Musical instruments, pianos and materials.....	10	110,435	23,183
110	Oil, lubricating.....	5	180,411	18,711
111	Optical goods.....	3	12,225	2,047
112	Painting and paper hanging.....	144	308,725	65,478
113	Paints.....	6	388,581	40,308
114	Paper.....	5	421,004	74,040
115	Patent medicines and compounds.....	51	456,853	101,010
116	Paving and paving materials.....	34	588,550	42,373
117	Perfumery and cosmetics.....	8	24,540	4,098
118	Photographic materials.....	3	63,985	628
119	Photography.....	76	216,108	60,801
120	Photolithographing and engraving.....	5	13,150	2,572
121	Pickles, preserves, and sauces.....	17	302,205	20,725
122	Plastering and stuccowork.....	10	126,080	6,060
123	Plumbers' supplies.....	8	235,388	14,210
124	Plumbing and gas fitting.....	180	728,038	82,777
125	Printing and publishing, book and job.....	121	1,245,133	216,104
126	Printing and publishing, newspapers and periodicals.....	376	4,345,600	1,118,276
127	Regalia and society banners and emblems.....	3	25,875	1,257
128	Roofing and roofing materials.....	28	150,837	17,706
129	Saddlery and harness.....	201	2,000,327	115,200
130	Safes and vaults.....	4	23,715	4,088
131	Salt.....	9	302,135	31,433
132	Sausage.....	20	32,513	9,120
133	Saws.....	3	154,270	10,737
134	Shipbuilding.....	33	6,863,308	378,104
135	Shirts.....	54	302,671	68,250
136	Show cases.....	6	27,035	4,078
137	Silk and silk goods.....	9	112,283	10,438
138	Slaughtering and meat packing, wholesale.....	18	840,890	59,479
139	Slaughtering, wholesale, not including meat packing.....	32	1,370,700	230,729
140	Soap and candles.....	24	925,125	103,486
141	Sporting goods.....	3	2,460	480
142	Steam fittings and heating apparatus.....	5	21,850	2,067
143	Stencils and brands.....	5	4,130	1,450
144	Stereotyping and electrotyping.....	3	85,345	11,230
145	Sugar and molasses, refining.....	3	5,500,065	508,118
146	Surgical appliances.....	13	21,905	5,290
147	Timber products, not manufactured at mill.....	37	350,590	45,808
148	Tinsmithing, coppersmithing, and sheet-iron working.....	107	1,822,084	148,658
149	Tobacco, chewing, smoking, and snuff.....	3	10,410	10,514
150	Tobacco, cigars and cigarettes.....	231	1,873,307	447,802
151	Tools, not elsewhere specified.....	9	148,585	6,210
152	Trunks and valises.....	13	241,295	22,100
153	Umbrellas and canes.....	10	21,385	4,455
154	Upholstery materials.....	5	48,015	1,374
155	Varnish.....	3	38,300	7,788
156	Vinegar and cider.....	8	67,364	11,283
157	Watch, clock, and jewelry repairing.....	135	127,425	36,939
158	Windmills.....	8	47,040	3,020
159	Window shades.....	6	87,700	5,807
160	Wirework, including wire rope and cable.....	20	1,038,907	41,785
161	Wood, turned and carved.....	24	31,715	7,520
162	Woolen goods.....	8	2,618,480	168,324
163	All other industries (a).....	102	0,382,790	360,172

a Embraces artificial limbs, 2; artists' materials, 2; habbitt metal and solder, 1; bags, paper, 1; baking and yeast powders, 2; bellows, 1; belting and hose, rubber, 1; bicycle and tricycle repairing, 1; bluing, 1; boot and shoe cut stock, 1; bottling, 2; calcium lights, 1; card cutting and designing, 1; cars, steam railroad, not including operations of railroad companies, 1; cars, street railroad, not including operations of railroad companies, 2; cheese and butter, urban dairy product, 2; china, decorating, 2; chocolate and cocoa products, 1; cleansing and polishing preparations, 1; clothing, men's factory product, buttonholes, 2; coffins, burial cases, and undertakers' goods, 2; cordage and twine, 1; cotton goods, 1; drug grinding, 1; electrical apparatus and supplies, 1; enameling, 1; fireworks, 2; foundry supplies, 1; gas stoves, 2; glass, 1; gold and silver, leaf and foil, 1; hand knit goods, 1; hardware, 1; hosiery and knit goods, 2; house furnishing goods, not elsewhere specified, 2; ink, printing, 2; ink, writing, 1; iron and steel, bolts, nuts, washers, and rivets, 1; iron and steel, nails and spikes, cut and wrought, including

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## CALIFORNIA—Continued.

AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.									
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.		
36	\$31,125	9	\$7,884	27	\$23,241	1	\$1,000	\$5,803	\$50,500 105
107	104,945	86	47,493	160	146,452	1	200	148,530	445,750 106
16	10,203	12	8,279	3	1,724	1	1,069	16,073	107
16	17,134	4	5,760	10	8,864	2	2,520	7,229	34,416 108
52	47,154	11	11,876	38	33,278	3	2,000	40,042	180,360 109
53	64,654	16	20,150	37	34,504			227,170	400,520 110
14	10,004	3	1,800	11	8,264			14,810	36,500 111
1,041	904,423	168	178,031	831	703,117	44	28,275	549,529	1,750,482 112
112	82,881	12	15,227	100	67,054			598,577	870,041 113
186	131,951	17	27,180	160	90,061	9	8,080	399,901	630,262 114
230	133,274	59	53,322	105	78,064	6	1,888	184,184	634,181 115
882	678,157	68	52,558	814	585,590			890,068	1,888,244 116
27	13,105	7	4,777	20	8,328			24,210	63,905 117
5	3,700	2	1,720	3	1,980			25,975	85,900 118
283	218,136	89	91,628	178	114,992	16	11,510	124,008	533,544 119
80	17,584	5	4,960	25	12,024			3,524	91,175 120
125	85,744	33	35,192	83	48,118	9	2,434	172,088	366,871 121
138	136,778	18	18,284	114	113,244	6	5,250	84,382	200,540 122
156	101,738	15	14,554	141	87,184			143,820	325,700 123
1,272	983,643	226	256,791	1,037	721,770	9	5,082	1,088,828	2,580,594 124
1,264	835,013	100	100,346	984	570,701	111	61,007	519,740	1,847,312 125
3,405	2,800,203	600	666,286	2,264	1,023,701	535	510,206	1,426,029	6,500,445 126
10	15,326	2	5,560	15	9,416	2	350	10,325	55,700 127
196	137,823	87	28,411	153	108,182	6	1,230	140,704	357,210 128
1,001	647,287	202	170,266	602	801,630	107	115,382	807,208	1,804,907 129
21	15,470	5	5,580	16	9,890			12,136	39,480 130
173	81,525	13	16,852	154	62,841	6	1,832	20,067	166,722 131
53	31,872	20	18,507	33	17,805			76,034	132,804 132
52	48,272	7	9,816	45	38,456			27,906	118,150 133
1,792	1,468,080	15	60,146	1,726	1,300,023	51	18,220	1,205,502	3,547,331 134
1,101	510,644	110	85,550	506	230,978	485	197,710	1,015,028	1,885,578 135
27	22,044	8	8,212	19	13,832			17,900	65,830 136
214	83,506	11	15,276	199	65,706	4	2,494	146,406	271,012 137
203	170,303	40	48,880	163	121,483			1,927,245	2,420,073 138
377	353,704	104	141,550	272	211,930	1	275	6,147,815	7,348,185 139
275	200,455	50	70,530	203	116,346	13	4,579	827,231	1,248,080 140
8	5,722	2	1,820	5	3,002	1	210	6,320	12,887 141
33	18,340	5	3,660	10	6,180	18	8,500	16,816	53,020 142
10	8,456	5	5,610	5	2,846			2,050	16,028 143
57	47,547	5	9,240	28	18,307	24	20,000	6,946	72,876 144
751	538,048	28	47,295	723	401,353			20,822,005	22,073,850 145
33	22,725	13	10,578	18	11,324	2	823	12,549	47,727 146
302	158,691	23	9,800	323	133,620	46	15,302	65,222	340,001 147
1,110	699,074	170	166,630	606	527,058	29	14,780	1,493,343	2,627,832 148
30	14,690	4	4,660	20	8,476	6	1,560	61,352	90,006 149
2,847	1,270,421	384	205,793	286	107,015	2,177	875,713	1,015,602	3,140,248 150
60	61,026	13	12,498	54	48,078	2	750	42,682	151,670 151
171	121,802	24	30,843	132	79,250	15	11,700	187,015	389,027 152
26	20,052	13	11,600	11	6,802	2	1,560	16,200	38,211 153
29	12,644	3	2,916	26	9,728			14,818	32,400 154
14	10,232	5	4,800	9	5,432			35,100	61,110 155
34	26,849	14	12,908	20	13,040			51,078	97,306 156
200	202,030	121	107,644	127	89,771	12	4,715	73,001	305,873 157
46	37,700	18	12,550	63	25,150			73,644	126,105 158
27	18,052	6	5,760	18	11,202	3	1,000	47,330	84,776 159
324	190,520	41	41,240	227	126,035	56	28,345	807,170	1,073,031 160
78	64,144	24	22,046	52	40,158	2	1,030	16,211	101,807 161
1,264	287,668	42	41,590	1,190	228,827	23	7,241	788,016	1,325,033 162
2,159	1,387,528	180	222,042	1,797	1,073,063	173	91,823	4,508,297	6,883,563 163

wire nails, 1; japanning, 1; jewelry and instrument cases, 2; lamps and reflectors, 1; lasts, 2; lead, bar, pipe, and sheet, 1; mantels, slate, marble, and marbleized, 1; mirrors, 1; oakum, 1; oil, illuminating, not including petroleum, refining, 1; oil, linseed, 2; paper patterns, 2; pens, gold, 1; petroleum, refining, 2; pipes, tobacco, 2; printing and publishing, music, 1; printing materials, 1; pulp, wood, 1; pulp from fiber, other than wood, 1; pumps, not including steam pumps, 2; rubber and elastic goods, 2; sewing machine repairing, 1; sewing machines and attachments, 1; shoddy, 1; silversmithing, 1; springs, steel, car and carriage, 1; stamped ware, 2; stationery goods, not elsewhere specified, 1; sugar and molasses, beet, 2; taxidermy, 2; toys and games, 1; type founding, 2; washing machines and clothes wringers, 2; watch and clock materials, 1; wheelbarrows, 1; whips, 1; woodenware, not elsewhere specified, 1.

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
COLORADO.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establish- ments report- ing.	Capital.	Miscele- nous expenses.
1	All industries.....	1,518	\$26,651,840	\$1,948,025
2	Awnings, tents, and sails.....	3	43,780	4,237
3	Blacksmithing and wheelwrighting.....	141	312,433	96,735
4	Bookbinding and blank-book making.....	5	68,535	7,892
5	Boots and shoes, custom work and repairing.....	133	160,528	36,014
6	Boxes, wooden packing.....	3	11,450	1,312
7	Bread and other bakery products.....	58	381,385	57,482
8	Brick and tile.....	83	1,747,782	114,401
9	Brooms and brushes.....	3	3,205	520
10	Carpentering.....	60	605,808	32,016
11	Carpets, rag.....	7	3,874	1,009
12	Carriages and wagons, including custom work and repairing.....	29	974,100	33,689
13	Cars and general shop construction and repairs by steam railroad companies.....	10	1,551,311	.....
14	Cheese, butter, and condensed milk, factory product.....	6	30,085	2,208
15	Clay and pottery products.....	0	232,640	10,215
16	Clothing, men's, custom work and repairing.....	86	348,320	65,540
17	Clothing, women's, dressmaking.....	21	98,617	12,400
18	Clothing, women's, factory product.....	4	235,064	41,051
19	Coke.....	7	504,393	1,300
20	Confectionery.....	14	140,500	21,688
21	Dentistry, mechanical.....	10	28,215	11,489
22	Dyeing and cleaning.....	4	36,135	2,284
23	Flouring and gristmill products.....	33	2,135,085	120,540
24	Foundry and machine shop products.....	31	1,823,691	84,193
25	Fruits and vegetables, canning and preserving.....	3	158,000	7,467
26	Furniture, cabinetmaking, repairing and upholstering.....	17	92,300	21,620
27	Furniture, factory product.....	5	160,450	17,310
28	Gas, illuminating and heating.....	6	1,277,262	22,927
29	Grease and tallow.....	3	110,125	282
30	Hand stamps.....	5	18,925	4,080
31	Ironwork, architectural and ornamental.....	14	142,200	13,625
32	Jewelry.....	4	86,075	9,020
33	Lime and cement.....	16	266,192	14,714
34	Liquors, malt.....	11	1,917,060	252,024
35	Lock and gun smithing.....	4	4,025	1,508
36	Looking-glass and picture frames.....	4	41,849	1,742
37	Lumber and other mill products from logs or bolts.....	100	838,056	45,707
38	Lumber, planing mill products, including sash, doors, and blinds.....	18	2,101,580	82,234
39	Marble and stone work.....	4	98,510	1,863
40	Masonry, brick and stone.....	0	180,725	8,234
41	Millinery, custom work.....	35	185,055	36,052
42	Mineral and soda waters.....	11	60,333	7,020
43	Monuments and tombstones.....	3	63,785	500
44	Painting and paper hanging.....	5	20,945	1,602
45	Paints.....	4	70,800	9,850
46	Paving and paving materials.....	3	76,093	6,558
47	Photography.....	5	10,085	3,300
48	Pickles, preserves, and sauces.....	3	154,300	6,374
49	Printing and publishing, book and job.....	28	250,640	25,489
50	Printing and publishing, newspapers and periodicals.....	150	1,221,386	257,337
51	Saddlery and harness.....	33	326,595	35,728
52	Slaughtering and meat packing, wholesale.....	4	340,150	20,640
53	Timber products, not manufactured at mill.....	11	102,005	18,830
54	Tinsmithing, coppersmithing, and sheet-iron working.....	38	212,607	29,068
55	Tobacco, cigars and cigarettes.....	43	267,560	58,920
56	Trunks and valises.....	4	37,708	6,142
57	Watch, clock, and jewelry repairing.....	39	80,094	25,099
58	Wood, turned and carved.....	3	5,005	1,357
59	All other industries (a).....	83	4,358,300	178,889

a Embraces artificial feathers and flowers, 1; baking and yeast powders, 2; baskets and rattan and willow ware, 1; bicyclo and tricycle repairing, 2; boot and shoe uppers, 2; bottling, 1; boxes, fancy and paper, 2; brass castings and brass finishing, 2; carriage and wagon materials, 1; chemicals, 1; clothing, men's, factory product, 2; electroplating, 1; engraving and diesinking, 2; fancy articles, not elsewhere specified, 1; fertilizers, 1; food preparations, 2; fur goods, 2; furnishing goods, men's, 1; furniture, chairs, 1; glass, 1; glass, cutting, staining, and ornamenting, 2; hairwork, 2; hosiery and knit goods, 2; ice, artificial, 1; instruments, professional and scientific, 1; iron and steel, 2; kaolin and other earth grinding, 2; kindling wood, 1; lead, bar, pipe, and sheet, 1; leather goods, 1; leather, tanned and curried, 1; lithographing and engraving, 2; mattresses and spring beds, 2;

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## COLORADO.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.								Cost of materials used.	Value of products, including receipts from custom work and repairing.		
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.					
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.				
17,067	\$12,285,734	2,051	\$2,418,320	14,285	\$9,357,167	731	\$515,238	\$20,848,510	\$42,480,205		
50	32,080	6	7,415	44	25,271	2	718	80,758	141,471		
366	320,042	142	139,216	222	181,010	2	718	202,443	556,380		
93	53,025	10	11,820	83	41,205	31	10,616	30,703	140,010		
274	215,158	132	115,280	111	80,242	31	10,616	113,787	418,469		
19	14,338	4	4,160	15	10,178	.....	.....	11,112	33,600		
380	290,036	91	107,310	263	172,270	36	11,050	630,777	1,195,324		
2,254	1,000,513	110	100,327	2,061	951,255	83	47,931	308,933	2,023,076		
12	9,800	2	4,100	10	5,040	.....	.....	9,385	27,000		
029	609,606	78	98,253	551	511,353	.....	.....	603,000	1,496,404		
9	4,183	4	2,105	5	2,018	.....	.....	4,081	12,940		
375	341,184	51	74,827	324	206,357	.....	.....	332,944	858,400		
1,392	1,071,500	26	47,700	1,306	1,023,800	.....	.....	804,090	1,905,090		
20	13,840	10	7,630	10	6,210	.....	.....	75,226	110,924		
121	87,240	15	24,960	105	61,389	1	900	88,107	215,542		
533	459,370	94	112,480	277	210,105	182	127,782	352,270	1,003,783		
158	80,502	19	17,182	130	60,320	.....	.....	100,075	257,740		
350	109,900	8	8,320	342	101,616	.....	.....	260,102	642,700		
253	166,735	0	5,070	138	85,487	100	76,178	408,188	678,470		
185	122,387	38	44,684	147	77,703	.....	.....	261,720	549,700		
27	36,700	19	30,704	8	0,032	.....	.....	11,602	83,050		
23	10,480	6	7,180	17	12,250	.....	.....	0,101	34,850		
201	109,780	45	50,226	245	140,504	1	60	3,153,010	3,808,106		
824	686,007	73	97,988	751	588,021	.....	.....	705,080	1,702,010		
110	69,730	11	14,800	90	45,930	.....	.....	90,420	207,424		
100	87,370	25	28,076	75	58,094	.....	.....	58,484	201,901		
115	100,084	0	13,000	106	03,084	.....	.....	122,513	307,701		
111	114,549	15	36,940	96	78,009	.....	.....	118,022	501,007		
21	7,528	1	780	20	0,748	.....	.....	7,087	18,240		
18	14,444	5	5,556	12	8,108	1	780	14,254	40,300		
108	187,447	10	31,350	140	106,097	.....	.....	130,585	332,500		
29	20,555	7	9,102	22	20,303	.....	.....	40,912	116,400		
162	108,110	11	11,085	151	97,025	.....	.....	51,861	223,106		
269	284,687	38	70,280	232	211,907	4	2,500	555,140	1,601,168		
9	9,052	4	5,400	5	3,052	.....	.....	2,085	14,860		
19	17,080	8	10,470	10	6,250	1	800	15,340	36,976		
104	323,413	55	32,578	823	273,025	26	16,910	609,603	1,172,190		
1,004	840,370	70	124,800	1,014	720,570	1	1,000	2,602,021	4,318,402		
131	150,072	10	12,304	120	130,008	1	800	111,325	300,003		
352	303,526	8	12,244	844	351,282	.....	.....	452,203	1,050,174		
181	97,303	60	40,898	121	56,405	.....	.....	103,370	372,702		
60	44,081	13	14,730	47	20,361	.....	.....	60,192	107,092		
15	16,828	2	4,000	13	12,828	.....	.....	18,040	54,500		
25	23,148	4	4,140	21	19,008	.....	.....	17,720	49,000		
44	34,828	11	11,690	33	23,198	.....	.....	382,948	480,020		
40	34,450	4	6,732	46	28,718	.....	.....	37,491	106,020		
8	8,100	4	4,700	3	2,700	1	700	4,008	20,220		
110	40,677	8	11,500	102	20,117	.....	.....	101,428	160,450		
208	172,238	39	54,048	160	117,290	.....	.....	130,455	430,117		
1,221	1,064,301	213	212,002	933	784,088	75	66,711	430,658	2,211,057		
181	155,027	40	53,332	131	60,920	4	2,375	143,047	490,072		
91	77,492	14	21,008	77	55,824	.....	.....	1,825,249	2,128,030		
313	100,055	6	4,880	307	101,175	.....	.....	37,365	191,550		
200	107,075	52	60,509	147	100,068	1	600	220,377	496,998		
329	245,565	53	56,971	195	120,728	81	61,886	203,243	575,161		
28	26,294	6	11,532	20	13,012	2	1,150	14,907	76,250		
101	98,402	49	50,017	50	44,705	2	1,020	38,763	180,050		
13	12,844	4	4,570	9	8,208	.....	.....	7,630	24,600		
1,031	1,090,191	174	246,395	1,350	760,453	107	74,848	3,323,704	5,500,397		

models and patterns, 1; oils, lubricating, 1; oleomargarine, 1; optical goods, 2; patent medicines and compounds, 1; petroleum, refining, 2; pipes, tobacco, 1; plastering and stuccowork, 1; plumbers' supplies, 1; plumbing and gas fitting, 2; printing materials, 1; roofing and roofing materials, 1; scales and balances, 1; shirts, 1; slaughtering, wholesale, not including meat packing, 1; smelting and refining, 2; soap and candles, 2; stamped ware, 1; steam fittings and heating apparatus, 1; stencils and brands, 2; stereotyping and electrotyping, 2; taxidermy, 2; tools, not elsewhere specified, 2; watch cases, 1; wireworks, and brands, 2; stereotyping and electrotyping, 2; taxidermy, 2; tools, not elsewhere specified, 2; watch cases, 1; wireworks, including wire rope and cable, 1.

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
CONNECTICUT.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
1	All industries.....	6,822	\$227,004,400	\$15,399,101
2	Agricultural implements.....	9	790,621	10,555
3	Ammunition.....	4	1,438,820	205,505
4	Awnings, tents, and sails.....	10	60,716	3,654
5	Bells.....	7	222,887	10,305
6	Bicycle and tricycle repairing.....	3	6,055	670
7	Blacksmithing and wheelwrighting.....	524	753,045	51,240
8	Bookbinding and blank-book making.....	12	97,475	8,602
9	Boots and shoes, custom work and repairing.....	460	160,723	45,589
10	Boots and shoes, factory product.....	20	83,100	58,666
11	Bottling.....	21	97,606	10,150
12	Boxes, cigar.....	4	7,725	876
13	Boxes, fancy and paper.....	40	752,100	49,488
14	Boxes, wooden packing.....	13	127,304	9,132
15	Brass.....	4	1,108,300	49,065
16	Brass and copper, rolled.....	5	4,707,896	163,670
17	Brass castings and brass finishing.....	25	7,100,461	536,761
18	Brassware.....	23	9,148,320	710,090
19	Bread and other bakery products.....	194	872,633	122,126
20	Brick and tile.....	28	971,710	23,730
21	Brooms and brushes.....	18	87,603	4,580
22	Buttons.....	14	914,700	58,430
23	Carpentering.....	472	3,090,480	190,907
24	Carpets, rug.....	11	4,619	605
25	Carriage and wagon materials.....	43	1,440,014	63,721
26	Carriages and wagons, including custom work and repairing.....	181	3,093,997	152,407
27	Cars and general shop construction and repairs by steam railroad companies.....	8	600,265	13,427
28	Cheese, butter, and condensed milk, factory product.....	49	196,770	20,491
29	Chemicals.....	4	204,050	20,315
30	Clay and pottery products.....	15	212,445	6,008
31	Cleansing and polishing preparations.....	4	7,725	7,285
32	Clocks.....	9	4,485,420	200,490
33	Clothing, men's, custom work and repairing.....	256	942,241	127,178
34	Clothing, men's, factory product.....	3	3,850	213
35	Clothing, women's, dressmaking.....	430	195,982	53,160
36	Clothing, women's, factory product.....	3	53,046	6,802
37	Coffee and spice, roasting and grinding.....	3	147,000	2,388
38	Coffins and burial cases, trimming and finishing.....	48	308,487	25,063
39	Collins, burial cases, and undertakers' goods.....	4	305,177	38,378
40	Confectionery.....	50	243,705	42,754
41	Copperage.....	9	32,904	3,249
42	Cordage and twine.....	12	358,004	14,382
43	Corsets.....	18	3,982,271	548,081
44	Cotton goods.....	65	26,431,578	954,637
45	Cutlery and edge tools.....	48	3,448,848	241,842
46	Dentistry, mechanical.....	63	68,880	11,428
47	Druggists' preparations, not including prescriptions.....	11	17,485	2,388
48	Dyeing and cleaning.....	19	70,133	15,695
49	Dyeing and finishing textiles.....	5	775,352	77,336
50	Dye stuffs and extracts.....	3	2,118,407	3,820
51	Electrical apparatus and supplies.....	5	631,182	32,841
52	Electroplating.....	10	15,452	2,501
53	Engraving and diesinking.....	8	30,000	5,669
54	Engraving, wood.....	11	22,250	1,577
55	Envelopes.....	3	1,059,524	51,563
56	Fancy articles, not elsewhere specified.....	10	115,524	7,137
57	Fertilizers.....	8	246,223	17,004
58	Files.....	8	49,448	1,206
59	Firearms.....	8	2,242,200	82,207
60	Flavoring extracts.....	5	9,050	1,870
61	Flouring and grist mill products.....	177	1,516,008	61,924
62	Food preparations.....	3	22,985	17,450
63	Foundry and machine shop products.....	193	13,623,724	951,020
64	Fur goods.....	3	67,826	9,105
65	Furniture, cabinetmaking, repairing and upholstering.....	76	302,817	21,071
66	Furniture, factory product.....	8	228,475	4,483

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## CONNECTICUT.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.								Cost of materials used.	Value of products, including receipts from custom work and repairing.		
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.					
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.				
149,939	\$75,000,006	9,425	\$9,525,289	100,749	\$52,784,080	30,765	\$13,080,331	\$123,183,080	\$248,336,364		
356	170,321	43	27,550	281	126,095	32	16,676	194,770	450,335		
1,408	711,506	25	43,100	1,421	600,706	22	7,700	820,252	3,838,774		
65	33,002	12	9,005	51	23,412	2	75	44,171	89,760		
179	92,902	24	17,953	155	75,000	712	.....	115,481	282,504		
6	3,204	4	2,402	2	.....	588	.....	588	5,500		
1,092	655,949	407	203,525	683	301,606	2	818	340,300	1,274,464		
83	49,601	12	14,080	70	34,841	1	80	42,805	128,728		
713	307,314	422	222,106	215	110,200	76	34,009	191,068	671,980		
1,001	529,467	66	73,761	652	303,851	343	151,875	750,140	1,535,125		
71	41,191	13	9,728	58	31,463	.....	.....	128,530	228,300		
20	8,434	4	4,100	7	2,334	0	2,000	13,480	26,400		
1,450	510,514	64	72,105	617	230,761	700	210,045	546,898	1,303,270		
140	78,400	12	10,258	74	39,892	00	28,940	185,013	304,451		
753	300,025	25	22,500	713	153,050	15	14,775	1,522,845	2,224,080		
1,619	881,123	40	99,100	1,202	320,000	398	101,003	2,605,031	4,100,938		
3,405	1,801,552	78	118,285	2,553	1,203,266	774	300,011	4,287,237	7,428,011		
5,905	3,017,650	100	280,505	3,700	1,007,578	1,940	823,516	5,983,068	10,711,945		
1,218	729,786	266	190,022	952	626,804	.....	.....	2,042,081	3,380,278		
902	317,200	41	30,418	801	258,718	60	28,064	105,030	505,280		
114	52,736	20	14,450	60	26,010	28	11,070	63,011	140,071		
806	355,028	27	32,812	322	159,786	547	103,030	395,605	928,028		
4,707	3,376,105	421	304,299	4,351	2,975,566	25	0,800	4,066,389	9,310,212		
15	5,540	0	3,540	2	800	4	1,200	2,701	11,372		
855	510,205	95	104,001	498	278,544	262	139,750	447,980	1,254,100		
2,118	1,527,030	214	253,817	1,359	873,493	545	390,780	1,491,518	3,598,044		
601	424,237	0	5,020	682	418,317	.....	.....	274,287	608,474		
102	80,467	18	9,125	138	75,102	0	2,240	700,038	881,327		
66	35,002	6	5,000	54	30,002	.....	.....	97,200	168,175		
257	143,256	28	31,610	197	90,162	32	21,484	47,503	267,840		
23	12,724	5	4,500	18	8,224	.....	.....	11,072	30,200		
2,840	1,462,140	63	88,511	1,540	777,310	1,231	506,313	1,087,327	3,117,186		
1,632	978,703	208	243,506	304	223,821	070	511,280	886,523	2,203,203		
35	11,564	5	3,088	16	1,812	14	6,664	6,197	20,280		
1,437	443,441	270	124,744	1,151	315,470	16	3,228	423,027	1,002,770		
205	103,580	4	7,500	54	31,200	207	64,880	120,374	202,800		
33	26,706	15	14,540	18	12,100	.....	.....	182,530	230,870		
126	79,745	40	20,017	80	50,128	5	3,000	142,074	313,143		
180	93,802	16	18,080	86	42,307	78	33,415	156,068	372,000		
293	132,647	80	49,321	103	78,320	14	5,000	284,005	592,300		
46	25,524	8	5,620	10	10,304	19	0,000	22,815	55,050		
290	72,587	0	9,982	278	61,705	3	000	246,844	365,203		
4,953	1,877,895	85	185,144	1,500	87,820	0,278	1,004,031	3,080,618	6,274,807		
13,411	4,524,443	101	284,037	12,053	4,038,876	507	200,070	8,215,751	15,409,476		
2,285	1,289,574	123	111,107	882	451,441	1,280	700,966	956,608	2,805,390		
82	55,217	56	43,907	20	14,250	.....	.....	28,422	114,002		
21	8,282	6	2,402	15	5,820	.....	.....	16,805	40,730		
148	75,517	21	16,002	110	62,717	17	5,808	41,814	158,000		
480	251,362	12	14,250	454	230,042	23	6,100	300,380	715,388		
392	244,278	10	22,116	373	223,102	.....	.....	1,378,033	1,880,700		
166	96,405	9	14,856	157	81,547	.....	.....	390,171	928,602		
46	24,155	12	8,374	33	15,281	1	500	19,058	51,196		
51	27,845	0	10,515	42	17,300	.....	.....	31,468	75,100		
51	39,588	12	11,041	88	28,472	1	75	8,872	55,813		
348	147,293	22	32,500	242	98,449	84	10,944	500,988	840,642		
130	50,587	13	7,296	67	22,548	50	20,740	126,985	221,340		
150	42,025	14	9,208	130	33,357	24	11,177	247,012	930,450		
60	33,624	17	12,698	10	9,740	24	11,177	13,402	59,711		
1,108	784,217	36	52,404	903	506,555	260	135,258	150,390	1,120,075		
13	5,322	4	2,424	9	2,898	.....	.....	10,176	20,200		
450	225,502	104	96,003	286	128,659	.....	.....	2,587,156	2,004,244		
32	15,309	6	4,903	18	7,450	8	3,056	60,328	118,854		
9,150	5,693,710	513	602,231	7,044	4,853,021	990	678,407	4,874,852	13,314,150		
52	21,948	16	10,948	86	11,000	.....	.....	60,870	90,400		
247	147,649	71	49,879	174	97,100	2	670	134,749	358,446		
115	79,353	9	9,860	94	60,043	12	8,550	118,553	239,700		

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
CONNECTICUT—Continued.

MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of estab- lish- ments report- ing.	Capital.	Mis- cella- neous expenses.
67 Gas, illuminating and heating.....	20	\$4,456,409	\$113,048
68 Gas stoves.....	3	136,870	12,107
69 Glass, cutting, staining and ornamenting.....	3	63,500	4,725
70 Gold and silver, leaf and foil.....	3	55,300	2,217
71 Grease and tallow.....	7	97,380	4,383
72 Hairwork.....	5	6,000	1,144
73 Hand stamps.....	7	13,205	15,056
74 Hardware.....	70	13,453,539	1,501,508
75 Hardware, saddlery.....	6	606,035	38,078
76 Hat and cap materials.....	18	773,870	50,087
77 Hats and caps, not including wool hats.....	50	2,542,802	346,081
78 Hooks and eyes.....	4	117,495	12,580
79 Hosiery and knit goods.....	27	4,922,011	107,422
80 House furnishing goods, not elsewhere specified.....	7	2,167,247	71,154
81 Iron and steel, bolts, nuts, washers, and rivets.....	10	1,370,557	94,187
82 Iron and steel, forgings.....	4	392,128	14,052
83 Iron and steel.....	13	2,189,521	98,123
84 Ironwork, architectural and ornamental.....	5	429,025	23,077
85 Ivory and bone work.....	5	602,055	22,825
86 Kaolin and other earth grinding.....	3	58,548	3,703
87 Leather, tanned and curried.....	7	360,021	25,703
88 Lime and cement.....	9	152,140	6,067
89 Liquors, distilled.....	8	255,241	142,028
90 Liquors, malt.....	16	1,470,120	349,854
91 Lithographing and engraving.....	3	94,300	6,824
92 Lock and gun smithing.....	15	11,458	2,108
93 Looking-glass and picture frames.....	33	88,140	15,510
94 Lumber and other mill products from logs or bolts.....	157	1,010,050	88,700
95 Lumber, planing mill products, including sash, doors, and blinds.....	50	1,817,050	113,694
96 Marble and stone work.....	18	140,085	16,065
97 Masonry, brick, and stone.....	185	1,746,408	113,344
98 Mattresses and spring beds.....	10	170,200	17,215
99 Millinery and lace goods.....	7	177,850	17,253
100 Millinery, custom work.....	192	388,570	63,003
101 Mineral and soda waters.....	34	175,614	32,422
102 Models and patterns.....	10	43,100	2,630
103 Monuments and tombstones.....	52	405,580	23,700
104 Musical instruments and materials, not specified.....	3	1,084	221
105 Musical instruments, organs and materials.....	6	651,078	40,122
106 Musical instruments, pianos and materials.....	5	1,306,908	37,573
107 Needles and pins.....	13	1,030,573	42,525
108 Optical goods.....	6	18,500	3,100
109 Painting and paper hanging.....	233	922,083	50,907
110 Paper.....	42	8,920,010	302,592
111 Patent medicines and compounds.....	22	283,037	57,357
112 Paving and paving materials.....	25	184,775	23,425
113 Perfumery and cosmetics.....	4	23,330	747
114 Photography.....	91	190,077	36,532
115 Plastering and stuccowork.....	4	13,027	1,192
116 Plated and britannia ware.....	21	9,916,800	782,563
117 Plumbing and gas fitting.....	177	1,008,661	80,547
118 Printing and publishing, book and job.....	89	1,372,060	112,730
119 Printing and publishing, newspapers and periodicals.....	123	1,284,375	271,730
120 Printing materials.....	3	72,005	3,443
121 Registers, car fare.....	3	33,825	6,080
122 Roofing and roofing materials.....	16	47,188	4,206
123 Rubber and elastic goods.....	16	2,300,580	108,115
124 Saddlery and harness.....	140	1,018,460	70,520
125 Sausage.....	5	12,170	2,301
126 Saws.....	3	134,046	2,243
127 Sewing machines and attachments.....	5	4,174,710	142,030
128 Shipbuilding.....	29	504,911	20,463
129 Shirts.....	12	287,478	14,120
130 Shoddy.....	7	395,336	26,090
131 Silk and silk goods.....	35	9,037,042	270,420
132 Silverware.....	3	469,800	63,495
133 Slaughtering and meat packing, wholesale.....	10	547,750	20,250

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## CONNECTICUT—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.									Cost of materials used.	Value of products, including receipts from custom work and repairing.		
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.						
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.					
303	\$229,127	45	\$53,100	258	\$170,021	.....	.....	\$276,802	\$1,200,575	67		
110	89,161	10	24,850	89	63,021	2	\$300	101,547	340,831	68		
90	55,245	6	7,500	93	47,085	.....	.....	45,736	122,350	69		
19	12,188	1	2,500	18	9,088	.....	.....	247,406	270,900	70		
27	10,800	10	11,040	17	8,760	.....	.....	61,032	97,385	71		
13	5,570	8	2,030	5	2,040	.....	.....	2,087	13,441	72		
87	15,185	7	5,545	90	9,040	.....	.....	15,701	55,971	73		
8,507	4,419,159	300	441,207	8,062	2,004,318	2,146	1,073,634	4,407,986	11,095,923	74		
400	253,637	30	87,340	234	109,028	235	107,269	303,737	835,151	75		
632	303,203	24	27,358	516	209,038	92	60,207	725,412	1,180,404	76		
6,188	3,284,869	123	177,004	2,071	1,207,402	3,304	1,830,863	8,084,118	7,527,017	77		
40	23,114	7	4,008	42	18,500	.....	.....	77,183	123,080	78		
3,134	1,073,135	75	105,834	1,488	558,711	1,571	408,500	2,020,021	3,771,567	79		
774	350,803	40	51,288	678	290,237	50	15,278	1,558,028	2,621,059	80		
920	490,210	50	67,806	642	325,527	237	96,880	544,038	1,207,224	81		
193	129,514	0	16,020	157	66,881	27	10,013	175,700	380,050	82		
690	418,180	41	55,784	640	862,405	.....	.....	1,324,078	2,037,618	83		
350	201,050	31	20,036	328	172,014	.....	.....	304,568	418,523	84		
285	136,387	15	12,036	201	97,058	69	26,303	403,020	607,974	85		
23	16,100	4	4,400	19	11,700	.....	.....	70,134	90,071	86		
124	67,443	21	16,448	94	45,595	9	5,400	400,377	610,130	87		
112	62,764	10	8,402	81	34,237	21	10,125	80,815	102,044	88		
54	33,420	10	13,335	44	20,085	.....	.....	88,110	203,140	89		
248	213,613	45	50,372	203	167,241	.....	.....	584,390	1,455,359	90		
40	36,900	5	6,500	41	30,400	.....	.....	47,075	105,000	91		
24	13,516	14	7,206	10	6,310	.....	.....	4,000	28,452	92		
105	57,787	40	27,026	45	25,801	20	4,000	88,236	182,308	93		
754	269,788	102	55,882	635	200,738	17	4,168	741,942	1,236,736	94		
1,135	715,067	92	90,783	1,031	620,100	12	5,024	1,671,087	2,880,450	95		
151	108,333	21	17,610	120	80,714	1	1,000	76,887	217,971	96		
3,171	2,246,400	176	106,135	2,005	2,050,365	.....	.....	2,316,702	5,154,081	97		
205	96,145	27	28,070	141	59,275	37	8,800	187,035	336,830	98		
307	107,656	11	11,430	200	90,120	.....	.....	200,147	485,225	99		
749	263,608	203	101,441	643	102,044	8	123	587,455	1,077,882	100		
148	85,861	30	26,162	112	60,700	.....	.....	87,846	287,882	101		
44	37,570	10	12,250	34	25,320	.....	.....	9,807	63,700	102		
325	227,437	60	53,305	258	170,474	7	3,058	184,088	531,090	103		
3	2,000	3	2,000	.....	.....	.....	.....	403	3,100	104		
282	197,168	24	32,568	245	167,080	13	7,811	234,213	504,397	105		
894	522,842	24	80,480	720	378,002	141	104,800	860,120	1,557,093	106		
688	306,056	28	35,530	341	172,348	310	90,078	257,278	737,396	107		
31	11,021	8	4,110	19	6,041	4	870	11,570	84,863	108		
1,471	977,557	192	148,841	1,270	824,036	9	4,680	578,592	1,870,193	109		
1,404	725,214	71	99,692	1,355	618,864	38	11,658	2,014,080	3,560,257	110		
504	373,187	33	41,496	330	320,401	1	200	362,098	921,271	111		
450	220,688	35	20,400	420	197,048	4	3,240	152,501	405,050	112		
19	10,250	6	5,150	13	5,100	.....	.....	10,001	36,816	113		
242	139,678	68	46,514	166	80,344	8	3,820	90,075	340,663	114		
30	22,684	6	5,200	24	17,484	.....	.....	24,027	51,947	115		
4,320	2,340,304	170	208,700	3,614	1,800,098	545	204,000	3,391,044	7,569,920	116		
1,380	924,258	188	171,005	1,187	750,361	5	2,292	1,235,006	2,611,303	117		
967	553,177	123	110,880	800	423,501	35	12,736	488,087	1,930,297	118		
1,286	808,171	203	215,820	841	480,817	242	162,534	330,008	1,775,664	119		
51	28,040	3	8,347	27	14,515	21	10,778	15,891	55,072	120		
69	38,372	4	3,500	65	34,872	.....	.....	11,778	63,500	121		
71	45,033	13	9,840	58	35,103	.....	.....	84,050	153,857	122		
2,327	1,011,815	82	141,038	1,400	585,548	845	284,320	2,093,148	3,470,308	123		
912	520,818	132	99,194	687	364,505	93	57,020	662,082	1,410,036	124		
18	12,808	6	4,524	18	8,344	.....	.....	42,270	60,150	125		
30	22,081	4	2,850	26	19,831	.....	.....	18,873	50,160	126		
1,311	728,854	17	31,200	590	344,040	695	353,005	542,085	1,040,184	127		
652	370,122	28	27,004	614	340,698	10	7,520	535,093	1,053,301	128		
341	90,084	11	18,040	111	47,783	210	20,252	230,285	408,806	129		
180	85,816	14	13,271	166	72,545	.....	.....	442,852	648,060	130		
5,081	2,000,804	117	150,273	3,092	1,447,762	1,032	390,760	6,201,876	9,789,051	131		
172	93,840	12	21,600	160	72,240	.....	.....	81,500	325,000	132		
388	202,038	27	27,244	361	175,394	.....	.....	3,172,333	3,816,051	133		

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
CONNECTICUT—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establish- ments report- ing.	Capital.	Miscele- nous expenses.
134	Slaughtering, wholesale, not including meat packing.....	5	\$115,135	\$22,115
135	Soap and candles.....	17	844,830	111,335
136	Sporting goods.....	5	112,617	2,618
137	Springs, steel, car and carriage.....	3	46,500	700
138	Stamped ware.....	8	105,635	15,447
139	Starch.....	7	94,870	18,540
140	Stationery goods, not elsewhere specified.....	5	74,572	9,723
141	Steam fittings and heating apparatus.....	10	2,402,427	59,633
142	Stereotyping and electrotyping.....	4	65,215	5,520
143	Surgical appliances.....	4	3,270	918
144	Timber products, not manufactured at mill.....	19	81,030	12,116
145	Tinsmithing, coppersmithing, and sheet-iron working.....	96	606,341	50,267
146	Tobacco, cigars, and cigarettes.....	150	578,850	126,704
147	Tools, not elsewhere specified.....	24	1,563,407	101,870
148	Toys and games.....	5	187,947	5,884
149	Trunks and valises.....	5	68,644	4,300
150	Typewriters and supplies.....	3	402,413	44,588
151	Varnish.....	7	470,761	59,917
152	Vinegar and cider.....	23	50,652	2,486
153	Watch and clock materials.....	10	192,304	13,442
154	Watch, clock, and jewelry repairing.....	108	121,007	26,846
155	Wirework, including wire rope and cable.....	18	303,077	23,438
156	Wood, turned and carved.....	37	220,707	12,204
157	Woolen goods.....	55	10,188,042	614,561
158	Worsted goods.....	10	5,263,201	405,360
159	All other industries (a).....	115	16,131,562	1,192,208

(a) Embraees bagging, flax, hemp, and jute, 1; bags, paper, 1; baking and yeast powders, 2; baskets and rattan and willow ware, 1; belting and hose, leather, 2; belting and hose, rubber, 2; bicycles and tricycles, 2; billiard tables and materials, 1; blacking, 1; bone, ivory, and lamp black, 1; boot and shoe findings, 1; boots and shoes, rubber, 2; bridges, 1; card cutting and designing, 1; carpets and rugs, other than rag, 2; cheese and butter, urban dairy product, 1; cigar molds, 1; clock cases and materials, 3; clothing, horse, 1; combs, 1; cork, cutting, 1; crucibles, 1; emory wheels, 1; engraving, steel, including plate printing, 1; felt goods, 2; fireworks, 1; foundry supplies, 2; fruit jar trimmings, 1; fruits and vegetables, canning and preserving, 1; furnishing goods, men's, 2; furniture, chairs, 2; gold and silver, reducing and refining, not from the ore, 1; gunpowder, 2; instruments, professional and scientific, 2; iron and steel, nails and spikes, cut and wrought, including wire nails, 2; jewelry, 2; jute and jute goods, 1; labels and tags, 1; lamps and reflectors, 2; leather, morocco, 1; leather patent and enameled, 1; liquors, 1;

#### DELAWARE.

1	All industries.....	1,003	33,695,400	1,851,575
2	Baskets and rattan and willow ware.....	3	26,095	1,213
3	Blacksmithing and wheelwrighting.....	80	142,455	9,600
4	Boots and shoes, custom work and repairing.....	94	55,111	8,655
5	Bottling.....	4	57,000	11,300
6	Boxes, wooden packing.....	3	30,100	1,875
7	Bread and other bakery products.....	44	277,395	20,821
8	Brick and tile.....	13	250,982	19,923
9	Brooms and brushes.....	3	6,440	304
10	Carpentering.....	36	203,025	175,880
11	Carriage and wagon materials.....	3	162,085	8,407
12	Carriges and wagons, including custom work and repairing.....	44	730,412	37,935
13	Cars and general shop construction and repairs by steam railroad companies.....	3	767,875	-----
14	Cars, steam railroad, not including operations of railroad companies.....	3	2,839,733	87,077
15	Cheese, butter, and condensed milk, factory product.....	5	10,085	1,642
16	Chemicals.....	4	173,500	2,428
17	Clothing, men's, custom work and repairing.....	20	179,272	10,503
18	Clothing, women's, dressmaking.....	62	11,815	4,040
19	Collars and burial cases, trimming and finishing.....	13	70,240	4,283
20	Confectionery.....	21	109,981	10,175
21	Cotton goods.....	7	1,683,803	85,140
22	Electrical apparatus and supplies.....	3	120,044	16,137
23	Fertilizers.....	17	1,011,580	31,277
24	Flouring and grist mill products.....	50	1,127,592	43,052
25	Foundry and machine shop products.....	25	3,218,901	142,581
26	Fruits and vegetables, canning and preserving.....	28	301,038	20,510

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## CONNECTICUT—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.											
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.		
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.				
38	\$34,448	15	\$10,283	23	\$15,105	-----	-----	\$255,739	\$337,327	134	
101	88,438	28	32,592	98	45,093	37	\$10,753	277,510	501,513	135	
58	27,010	6	3,450	50	23,800	2	300	16,459	58,900	136	
8	5,300	1	1,010	7	4,290	-----	-----	7,825	18,500	137	
189	75,054	14	11,120	156	57,021	10	6,013	31,395	131,375	138	
60	27,783	17	13,815	43	13,968	-----	-----	147,730	209,025	139	
84	35,557	9	9,630	71	25,372	4	555	34,090	90,026	140	
1,306	905,422	58	97,350	623	430,690	625	377,273	835,457	1,006,520	141	
58	35,106	14	15,602	93	17,760	11	1,795	21,108	88,030	142	
11	6,505	4	3,251	4	1,810	3	1,444	2,412	11,054	143	
136	43,470	5	2,450	87	31,070	44	9,950	23,800	116,808	144	
012	325,028	87	66,171	408	240,818	57	18,030	501,017	602,326	145	
829	451,608	127	93,317	200	110,204	442	247,087	421,184	1,110,078	146	
785	461,768	40	45,570	581	622,925	104	93,204	371,712	1,220,130	147	
165	68,653	13	13,780	69	27,347	83	27,526	69,032	104,005	148	
112	41,304	4	4,012	108	37,292	-----	-----	83,000	153,235	149	
385	191,000	7	13,300	374	176,800	4	1,800	110,570	480,500	150	
92	66,471	32	31,328	58	33,843	2	1,300	354,738	611,083	151	
68	13,365	10	5,510	50	7,000	2	210	25,022	71,354	152	
103	65,251	11	10,910	132	78,341	-----	-----	97,315	200,090	153	
175	102,258	80	43,837	91	54,371	4	4,050	30,203	206,202	154	
405	160,082	38	35,830	200	108,265	107	25,587	152,407	401,703	155	
208	110,020	29	20,960	157	76,026	22	13,025	100,470	280,775	156	
5,173	2,035,482	104	161,443	4,940	1,820,773	129	41,246	5,753,005	9,082,403	157	
2,261	875,372	27	42,101	2,054	783,827	180	40,444	2,814,180	4,051,402	158	
8,271	3,957,233	316	985,960	6,483	2,989,049	1,472	582,224	8,307,099	15,400,578	159	

vinous, 1; malt, 1; mantels, slate, marble, and marbleized, 1; matches, 1; mats and matting, 2; mucilage and paste, 2; oakum, 2; oil, essential, 2; oil, lubricating, 2; ordnance and ordnance stores, 1; paints, 2; paper goods, not elsewhere specified, 2; paper patterns, 1; pens, fountain and stylographic, 1; pens, steel, 1; phonographs and graphophones, 1; photographic apparatus, 1; photographic materials, 2; photolithographing and engraving, 1; pickles, preserves, and sauces, 2; plumbers' supplies, 1; pocketbooks, 1; printing, tip, 2; pumps, not including steam pumps, 2; regalia, and society banners and emblems, 2; rules, ivory and wood, 1; scales and balances, 1; screws, machine, 2; screws, wood, 2; smelting and refining, 2; tobacco, stemming and rehandling, 2; umbrellas and canes, 2; upholstery materials, 2; washing machines and clothes wringers, 1; watches, 1; window shades, 1; wire, 1; wool hats, 2.

## DELAWARE.

21,906	9,892,387	1,427	1,261,012	17,080	7,602,510	2,700	1,027,065	21,161,752	37,571,848	1
113	11,822	4	1,822	34	4,500	75	5,500	12,800	34,150	2
161	72,902	72	30,051	83	35,701	6	1,120	40,176	130,502	3
136	57,013	80	39,191	29	10,398	21	8,084	33,020	110,135	4
37	20,406	7	5,930	30	14,500	-----	-----	84,020	146,040	5
40	10,813	6	2,808	34	8,005	-----	-----	12,885	25,350	6
150	81,303	50	30,764	100	50,500	-----	-----	188,907	350,300	7
427	143,138	17	15,086	300	124,750	14	3,300	90,941	208,534	8
7	2,050	1	300	6	2,350	-----	-----	3,107	6,350	9
360	221,115	32	25,300	328	195,800	-----	-----	857,544	830,982	10
97	50,394	8	8,980	29	15,414	60	26,000	68,778	137,010	11
527	278,101	43	34,983	388	105,447	6	47,771	358,191	774,180	12
850	508,368	29	10,178	615	328,028	203	161,062	748,556	1,280,485	13
2,347	1,300,198	46	66,450	2,001	1,030,739	900	200,000	1,528,528	3,201,293	14
19	0,840	4	1,575	15	5,205	-----	-----	107,542	124,780	15
34	17,840	2	2,300	82	15,540	-----	-----	233,700	270,000	16
268	100,247	27	20,894	107	50,556	184	87,707	101,720	252,475	17
174	52,603	64	32,870	110	10,784	-----	-----	15,927	82,758	18
22	12,071	12	7,213	9	4,298	1	600	21,100	43,105	19
86	33,657	27	11,874	50	21,783	-----	-----	87,887	157,080	20
987	324,328	16	15,082	961	305,911	10	2,435	587,610	1,005,001	21
62	33,902	5	6,900	57	27,002	-----	-----	85,352	101,756	22
200	81,068	22	14,735	185	66,258	2	75	690,185	1,018,438	23
201	90,002	51	34,401	149	55,501	1	100	1,404,485	1,075,040	24
1,587	929,014	86	114,085	1,366	721,812	135	93,117	1,227,271	2,666,717	25
2,408	205,958	35	13,482	1,498	147,555	905	44,021	432,817	740,000	26

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
DELAWARE—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
27	Furniture, cabinetmaking, repairing and upholstering.....	11	\$13,020	\$1,709
28	Gas, illuminating and heating.....	4	594,215	24,342
29	Iron and steel.....	6	2,392,478	42,001
30	Ironwork, architectural and ornamental.....	4	1,597,932	51,016
31	Leather, morocco.....	17	1,754,072	117,289
32	Leather, tanned and curried.....	3	36,587	3,130
33	Liquors, malt.....	3	450,870	68,068
34	Lumber and other mill products from logs or bolts.....	47	252,701	7,804
35	Lumber, planing mill products, including sash, doors, and blinds.....	7	239,977	13,444
36	Marble and stone work.....	6	135,030	8,682
37	Masonry, brick and stone.....	11	99,085	22,331
38	Millinery, custom work.....	21	44,065	3,970
39	Mineral and soda waters.....	5	10,015	105
40	Painting and paper hanging.....	22	43,450	6,107
41	Photography .....	7	37,145	4,520
42	Plastering and stuccowork.....	3	13,345	715
43	Plumbing and gas fitting.....	18	144,735	12,847
44	Printing and publishing, book and job.....	11	159,025	5,066
45	Printing and publishing, newspapers and periodicals.....	26	241,104	22,770
46	Roofing and roofing materials.....	18	97,230	5,213
47	Saddlery and harness.....	20	91,145	4,400
48	Shipbuilding.....	11	1,745,213	60,819
49	Slaughtering and meat packing, wholesale.....	3	142,500	3,302
50	Tinsmithing, coppersmithing, and sheet-iron working.....	17	100,055	6,003
51	Tobacco, cigars and cigarettes.....	23	41,087	14,266
52	Watch, clock, and jewelry repairing.....	5	2,535	604
53	Woolen goods.....	3	450,074	27,404
54	All other industries ( <i>a</i> ).....	62	0,057,880	54,000

*a* Embraces awnings, tents, and sails, 1; belting and hose, leather, 2; bookbinding and blank-book making, 1; boot and shoe uppers, 1; boots and shoes, factory product, 1; boxes, cigar, 1; brass castings and brass finishing, 1; bridges, 1; carpets, rag, 2; cheese and butter, urban dairy product, 1; clay and pottery products, 2; coffee and spice, roasting and grinding, 2; cooperage, 1; cordage and twine, 1; condiments and syrups, 1; cutlery and edge tools, 1; dentists' materials, 1; dyeing and finishing textiles, 1; electroplating, 2; food preparations, 1; glass, 1; grease and tallow, 2; gunpowder, 1; ice, artificial, 1; iron and steel, bolts, nuts, washers, and rivets, 1; iron and steel, forgings, 1; iron and steel, pipe, wrought, 1; kaolin and

#### DISTRICT OF COLUMBIA.

1	All industries.....	2,205	28,865,089	1,580,809
2	Awnings, tents, and sails.....	4	25,500	758
3	Baking and yeast powders.....	3	10,880	2,884
4	Baskets and rattan and willow ware.....	3	2,040	432
5	Bicycle and tricycle repairing.....	13	59,505	5,388
6	Blacksmithing and wheelwrighting.....	135	243,202	24,284
7	Bluing.....	3	2,408	247
8	Bookbinding and blank-book making.....	9	33,375	2,652
9	Boot and shoe uppers.....	5	10,530	904
10	Boots and shoes, custom work and repairing.....	232	151,724	20,171
11	Bottling .....	19	107,107	23,022
12	Bread and other bakery products.....	88	657,109	44,809
13	Brick and tile.....	13	772,081	63,031
14	Brooms and brushes.....	3	10,115	241
15	Carpentering .....	170	955,188	75,552
16	Carriages and wagons, including custom work and repairing.....	21	320,000	11,028
17	Cars and general shop construction and repairs by steam railroad companies.....	3	44,700	1,878
18	Cheese and butter, urban dairy product.....	4	4,057	585
19	Clay and pottery products.....	5	173,702	6,303
20	Clothing, men's, custom work and repairing.....	116	506,416	50,103
21	Clothing, women's, dressmaking.....	143	150,095	31,176
22	Coffins and burial cases, trimming and finishing.....	25	162,125	14,816
23	Confectionery .....	57	310,554	41,272
24	Cooperage.....	8	23,285	1,912
25	Corsets.....	3	7,900	2,120
26	Dentistry, mechanical.....	60	50,832	9,100

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## DELAWARE—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.									
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.		
27	\$12,234	12	\$7,039	12	\$3,895	3	\$1,300	\$5,910	\$21,750 27
42	48,044	8	8,220	51	37,824	.....	.....	49,122	101,451 28
1,576	772,419	49	73,201	1,527	609,158	.....	.....	1,418,539	2,308,670 29
482	900,438	37	58,284	285	157,104	160	84,900	771,312	1,131,387 30
1,432	722,170	81	103,008	1,261	570,269	90	48,812	2,752,680	4,015,604 31
17	8,103	4	3,462	13	5,731	.....	.....	70,480	91,200 32
58	48,060	10	14,780	48	33,280	.....	.....	100,608	247,046 33
500	104,386	34	6,027	338	79,600	190	14,890	193,096	397,057 34
125	74,010	16	13,704	105	57,812	4	2,500	68,620	177,442 35
73	42,841	6	5,640	67	37,201	.....	.....	27,805	108,125 36
142	94,790	10	10,285	132	84,505	.....	.....	101,035	248,475 37
57	20,063	16	9,472	41	11,191	.....	.....	93,327	64,829 38
18	6,060	4	3,330	12	3,630	.....	.....	4,105	12,800 39
130	81,093	24	17,100	100	54,793	16	9,197	38,580	138,850 40
20	14,792	7	6,424	13	8,308	.....	.....	12,550	42,763 41
31	17,805	4	2,105	24	13,000	3	1,800	0,040	30,000 42
101	90,097	31	23,962	130	66,735	.....	.....	148,748	290,161 43
120	65,867	18	13,005	102	42,802	.....	.....	19,437	104,000 44
215	108,150	39	28,806	130	58,127	37	20,217	37,503	262,490 45
94	64,152	17	11,238	77	42,914	.....	.....	45,333	120,261 46
55	30,704	20	12,030	35	18,008	.....	.....	34,211	81,932 47
1,802	890,151	43	98,174	1,757	800,277	2	700	836,979	2,044,313 48
42	24,000	6	4,840	36	19,760	.....	.....	235,450	302,460 49
88	50,275	19	12,503	99	36,712	.....	.....	39,843	108,500 50
88	40,314	19	11,070	14	8,111	55	26,133	23,730	83,013 51
6	2,344	4	1,624	2	720	.....	.....	501	4,700 52
297	103,305	0	12,298	103	40,569	125	44,528	295,005	482,022 53
2,722	1,312,275	128	121,009	2,514	1,140,510	80	50,750	5,257,503	8,815,001 54

other earth grinding, 1; leather, patent and enameled, 1; lock and gun smithing, 1; looking-glass and picture frames, 2; mattresses and spring beds, 1; monuments and tombstones, 2; paints, 1; paper, 2; paving and paving materials, 1; pickles, preserves, and sauces, 1; pulp from fiber, other than wood, 2; pumps, not including steam pumps, 1; saws, 1; slaughtering, wholesale, not including meat packing, 2; springs, steel, car and carriage, 2; steam fittings and heating apparatus, 2; timber products, not manufactured at mill, 1; tobacco, chewing, smoking, and snuff, 1; tools, not elsewhere specified, 2; wheelbarrows, 1; wirework, including wire rope and cable, 1.

## DISTRICT OF COLUMBIA.

23,404	14,022,204	2,908	2,358,122	18,587	10,846,522	1,810	1,417,620	17,104,660	39,331,437	1
44	18,020	5	3,320	39	15,000	.....	.....	21,418	47,100	2
22	10,125	6	5,000	16	6,525	.....	.....	11,850	29,700	3
7	3,814	3	2,324	4	1,490	.....	.....	948	6,200	4
88	41,330	22	12,410	60	28,020	.....	.....	17,555	73,820	5
400	253,033	142	90,002	306	100,690	12	2,881	131,912	472,200	6
6	2,372	3	1,760	3	912	.....	.....	750	3,500	7
53	23,300	7	5,200	46	18,100	.....	.....	8,875	48,700	8
10	7,206	5	4,570	5	2,000	.....	.....	21,100	32,520	9
412	108,755	238	132,013	184	57,506	40	8,544	101,002	357,831	10
208	118,957	37	33,500	171	85,457	.....	.....	537,297	850,719	11
589	350,855	115	88,828	474	262,027	.....	.....	802,072	1,409,575	12
1,204	442,920	22	25,360	1,100	300,708	70	17,802	208,430	846,950	13
11	5,032	4	2,640	4	312	3	1,560	8,051	17,650	14
2,421	1,749,707	203	200,867	2,187	1,528,148	31	20,752	2,026,634	5,312,352	15
159	81,213	4	2,380	155	78,833	.....	.....	47,810	140,501	16
200	180,170	37	33,810	251	125,544	2	816	140,582	370,154	17
6	1,870	.....	6	1,870	.....	.....	21,436	30,022	18	
89	40,621	1	900	86	38,521	2	1,200	29,880	114,697	19
89	403,080	130	89,011	507	327,048	132	40,127	372,088	1,072,304	20
644	214,081	124	63,126	513	151,130	7	725	138,072	478,132	21
86	57,092	27	10,805	58	37,102	1	125	150,023	297,047	22
349	185,907	115	69,827	226	65,888	8	102	332,200	672,118	23
53	23,880	8	4,880	45	19,000	.....	.....	23,744	54,751	24
22	7,413	4	2,585	18	4,828	.....	.....	6,200	21,200	25
72	10,247	50	17,144	12	1,728	1	876	18,072	62,071	26

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
DISTRICT OF COLUMBIA—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
27	Druggists' preparations, not including prescriptions.....	85	\$256,635	\$38,100
28	Dyeing and cleaning .....	24	94,757	10,661
29	Electroplating .....	7	7,670	1,051
30	Engraving and diesinking .....	8	21,800	3,050
31	Engraving, steel, including plate printing .....	5	1,532,225	1,384
32	Fancy articles, not elsewhere specified .....	7	51,438	7,053
33	Fertilizers .....	3	73,570	4,005
34	Fish, canning and preserving .....	3	5,530	301
35	Flouring and grist mill products .....	6	698,417	30,748
36	Foundry and machine shop products .....	16	447,033	16,187
37	Furniture, cabinetmaking, repairing and upholstering .....	54	258,486	24,258
38	Hairwork .....	11	38,830	4,477
39	Ironwork, architectural and ornamental .....	12	398,455	10,175
40	Jewelry .....	9	45,338	3,582
41	Kindling wood .....	8	20,430	2,980
42	Lime and cement .....	3	32,063	3,711
43	Liquors, malt .....	5	836,434	173,413
44	Lithographing and engraving .....	7	185,044	18,232
45	Look and gunsmithing .....	10	54,448	6,793
46	Looking-glass and picture frames .....	12	38,000	6,344
47	Lumber, planing mill products, including sash, doors, and blinds .....	14	700,000	22,697
48	Mantels, slate, marble, and marbleized .....	6	78,100	5,305
49	Marble and stone work .....	10	485,040	15,768
50	Masonry, brick and stone .....	35	188,495	10,218
51	Mattresses and spring beds .....	11	123,300	5,580
52	Millinery and lace goods .....	4	13,215	1,800
53	Millinery, custom work .....	32	232,220	24,530
54	Mineral and soda waters .....	9	82,221	8,570
55	Models and patterns .....	8	36,861	2,004
56	Monuments and tombstones .....	7	178,025	10,520
57	Optical goods .....	6	28,500	4,755
58	Painting and paper hanging .....	158	601,128	73,020
59	Patent medicines and compounds .....	8	49,400	2,505
60	Paving and paving materials .....	11	524,787	47,551
61	Photography .....	29	137,185	21,300
62	Plastering and stuccowork .....	25	26,658	2,330
63	Plumbing and gas fitting .....	86	407,735	44,207
64	Printing and publishing, book and job .....	51	1,200,570	68,701
65	Printing and publishing, newspapers and periodicals .....	13	537,502	123,440
66	Roofing and roofing materials .....	5	46,010	2,353
67	Saddlery and harness .....	36	112,041	10,580
68	Shipbuilding .....	4	15,575	654
69	Shirts .....	3	2,605	706
70	Slaughtering and meat packing, wholesale .....	24	118,280	11,020
71	Tinsmithing, coppersmithing, and sheet-iron working .....	72	432,406	20,004
72	Tobacco, cigars and cigarettes .....	70	114,782	80,046
73	Trunks and valises .....	4	28,795	3,740
74	Umbrellas and canes .....	4	10,625	2,106
75	Watch, clock, and jewelry repairing .....	33	157,733	12,041
76	Wirework, including wire rope and cable .....	3	4,301	708
77	Wood, turned and carved .....	5	9,060	606
78	All other industries (a) .....	53	12,167,153	164,322

<sup>a</sup> Embraces artificial feathers and flowers, 1; artificial limbs, 2; bags, other than paper, 1; boxes, cigar, 1; boxes, fancy and paper, 2; brass castings and brass finishing, 2; buttons, 1; cellulum lights, 1; cars and general shop construction and repairs by street railroad companies, 2; chemicals, 2; china, decorating, 1; coffee and spice, roasting and grinding, 2; cork, cutting, 1; electric light and power, 1; envelopes, 1; files, 1; flavoring extracts, 1; gas and lamp fixtures, 2; gas, illuminating and heat-

#### FLORIDA.

1	All industries .....	805	11,110,301	1,131,067
2	Blacksmithing and wheelwrighting .....	25	31,010	2,224
3	Boots and shoes, custom work and repairing .....	20	7,728	1,918
4	Bread and other bakery products .....	8	12,790	6,080
5	Brick and tile .....	12	139,770	12,353
6	Carpentering .....	9	30,321	6,205

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## DISTRICT OF COLUMBIA—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.											
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.		
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.				
252	\$129,483	92	\$50,635	160	\$78,848	2	\$288	\$120,755	\$377,850	27	
107	49,232	30	17,362	75	31,082	2	\$288	18,355	97,939	28	
13	7,904	7	6,600	6	1,494	.....	.....	3,932	16,800	29	
29	21,880	11	10,424	18	11,456	.....	.....	9,875	51,900	30	
907	849,332	45	54,050	711	445,484	241	340,108	178,570	1,033,580	31	
450	112,932	7	4,100	443	108,832	6	1,134	27,371	202,900	32	
31	11,450	2	1,064	23	8,052	.....	.....	70,700	93,300	33	
8	3,146	3	1,600	5	1,540	.....	.....	7,006	11,302	34	
149	85,718	25	27,218	124	58,500	.....	.....	1,350,888	1,564,002	35	
311	172,207	22	22,400	280	140,798	.....	.....	211,015	505,400	36	
240	131,007	72	52,718	153	77,377	15	1,872	159,425	330,305	37	
30	15,434	12	8,340	18	7,004	.....	.....	15,124	41,200	38	
321	194,910	27	22,310	204	172,600	.....	.....	230,990	464,300	39	
52	27,512	10	6,748	42	20,704	.....	.....	22,580	60,700	40	
40	17,991	11	6,950	25	10,304	4	728	26,846	53,200	41	
24	12,046	4	3,500	20	8,540	.....	.....	21,688	45,050	42	
120	82,422	17	24,800	103	57,022	.....	.....	205,017	853,800	43	
127	70,508	7	5,584	120	73,084	.....	.....	181,747	315,977	44	
68	41,060	21	14,008	47	20,763	.....	.....	31,705	99,380	45	
44	20,312	16	12,420	28	10,892	.....	.....	46,700	100,700	46	
440	258,438	33	28,020	403	228,418	4	2,000	372,000	747,000	47	
55	30,138	9	8,440	46	27,698	.....	.....	34,084	97,200	48	
301	305,031	28	30,080	361	288,515	2	450	375,701	803,408	49	
661	537,190	43	54,105	618	483,015	.....	.....	700,825	1,330,345	50	
77	38,105	17	11,813	48	21,378	12	5,004	81,587	154,340	51	
29	11,023	9	6,225	20	5,608	.....	.....	11,855	35,240	52	
247	105,277	46	31,924	201	73,353	.....	.....	206,470	438,022	53	
66	34,126	24	17,170	41	16,057	.....	.....	30,945	88,748	54	
33	10,486	8	6,700	19	8,232	6	4,554	8,500	35,289	55	
104	63,574	11	13,400	93	50,174	.....	.....	43,014	155,500	56	
19	11,888	6	5,420	13	6,468	.....	.....	8,284	20,900	57	
1,144	748,728	202	170,395	920	574,701	12	3,542	620,420	1,671,014	58	
20	10,802	8	4,930	12	5,032	.....	.....	9,025	33,020	59	
878	404,523	35	30,017	840	373,182	3	1,344	387,800	603,415	60	
143	83,130	33	28,010	110	55,120	.....	.....	52,210	101,280	61	
225	139,311	25	23,796	185	100,515	15	6,000	88,795	258,580	62	
646	492,567	127	104,586	512	324,181	7	3,800	502,203	1,130,574	63	
3,009	2,404,406	66	60,582	2,117	1,604,237	916	743,587	1,250,034	3,014,547	64	
497	980,731	70	83,730	213	145,240	205	160,701	300,704	1,173,567	65	
49	34,804	6	5,000	43	20,264	.....	.....	35,140	81,800	66	
106	58,606	40	25,512	65	32,824	1	300	50,082	147,245	67	
14	8,410	.....	.....	14	8,410	.....	.....	9,940	28,755	68	
21	7,500	3	1,070	18	5,020	.....	.....	4,581	15,295	69	
109	57,089	27	10,070	82	37,113	.....	.....	604,753	858,439	70	
424	259,120	92	77,078	332	181,442	.....	.....	311,602	700,410	71	
150	83,279	72	42,730	48	22,200	30	18,349	76,878	211,707	72	
44	24,270	4	3,420	40	20,860	.....	.....	40,070	87,450	73	
15	5,227	3	2,105	12	3,032	.....	.....	7,200	16,500	74	
126	83,224	39	28,773	83	50,901	4	3,550	66,220	186,841	75	
9	5,148	3	2,000	6	2,548	.....	.....	1,080	8,100	76	
9	6,024	6	4,524	3	1,500	.....	.....	2,485	11,080	77	
1,979	1,325,308	132	154,285	1,837	1,101,083	10	10,000	1,080,470	4,427,603	78	

ing, 2; glass, cutting, staining, and ornamenting, 2; glue, 1; grease and tallow, 1; hats and caps, not including wool hats, 2; ice, artificial, 1; instruments, professional and scientific, 1; lamps and reflectors, 1; ordnance and ordnance stores, 1; photographic apparatus, 1; photolithographing and engraving, 2; plumbers' supplies, 2; printing materials, 1; soap and candles, 1; stereotyping and electrotyping, 2; surgical appliances, 2; taxidermy, 2; upholstery materials, 1; vinegar and cider, 2.

## FLORIDA.

13,027	6,513,068	,808	504,454	9,416	3,808,088	3,703	2,110,526	8,021,854	18,222,800	1
44	19,228	20	11,599	22	7,870	2	250	10,234	40,030	2
29	13,300	18	7,850	9	3,716	4	1,800	5,081	23,408	3
53	26,017	19	13,782	34	13,185	.....	.....	42,750	87,524	4
237	60,507	22	11,239	212	48,058	8	1,000	19,805	119,200	5
133	81,850	10	10,434	123	71,425	.....	.....	57,585	153,052	6

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
FLORIDA—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establish- ments report- ing.	Capital.	Miscella- neous expenses.
7	Carriages and wagons, including custom work and repairing.....	29	\$111,347	\$2,470
8	Cars and general shop construction and repairs by steam railroad companies.....	10	158,960	1,800
9	Clothing, men's, custom work and repairing.....	11	21,068	4,450
10	Clothing, women's, dressmaking.....	20	4,055	2,100
11	Coffins and burial cases, trimming and finishing.....	3	3,285	1,302
12	Confectionery.....	3	0,850	2,420
13	Cotton, ginning.....	9	46,210	1,737
14	Dentistry mechanical.....	8	0,325	1,413
15	Fertilizers.....	3	14,705	1,050
16	Flouring and grist mill products.....	60	148,884	5,850
17	Foundry and machine shop products.....	9	158,025	6,219
18	Furniture, cabinetmaking, repairing and upholstering.....	3	1,270	400
19	Gas, illuminating and heating.....	7	747,770	15,510
20	Ice, artificial.....	9	243,924	22,772
21	Jewelry.....	4	9,000	080
22	Lime and cement.....	3	31,501	1,648
23	Lumber and other mill products from logs or bolts.....	202	5,398,490	265,080
24	Lumber, planing mill products, including sash, doors, and blinds.....	10	100,155	7,680
25	Mattresses and spring beds.....	5	8,000	1,376
26	Millinery, custom work.....	8	11,815	2,851
27	Mineral and soda waters.....	7	36,040	3,777
28	Monuments and tombstones.....	5	8,227	1,641
29	Painting and paper hanging.....	4	975	330
30	Photography.....	4	8,590	1,738
31	Plumbing and gas fitting.....	7	90,150	6,437
32	Printing and publishing, book and job.....	3	30,800	2,070
33	Printing and publishing, newspapers and periodicals.....	83	405,055	78,332
34	Roofing and roofing materials.....	7	14,568	1,066
35	Saddlery and harness.....	3	8,100	424
36	Shipbuilding.....	16	93,150	2,083
37	Starch.....	3	075	10
38	Tar and turpentine.....	15	182,992	5,520
39	Timber products, not manufactured at mill.....	13	39,807	9,133
40	Tinsmithing, coppersmithing, and sheet-iron working.....	5	5,905	805
41	Tobacco, cigars, and cigarettes.....	80	1,680,398	603,883
42	All other industries (a).....	39	989,482	40,369

*a* Embraces bookbinding and blank-book making, 1; boxes, cigar, 2; boxes, wooden packing, 1; brooms and brushes, 1; cars, steam railroad, not including operations of railroad companies, 1; cars, street railroad, not including operations of railroad companies, 1; clay and pottery products, 1; coffee and spice, roasting and grinding, 1; cooperage, 2; dyeing and cleaning, 1; furniture, factory product, 1; hosiery and knit goods, 1; liquors, vintns, 2; lock and gun smithing, 1; marble and stone work, 1; masonry, brick and stone, 2; oil, cottonseed and cake, 2; oysters, canning and preserving, 1; patent

#### GEORGIA.

1	All industries .....	4,285	56,921,580	4,019,530
2	Agricultural implements.....	11	498,630	33,021
3	Blacksmithing and wheelwrighting.....	331	245,721	24,958
4	Boots and shoes, custom work and repairing.....	184	53,170	14,616
5	Boots and shoes, factory product.....	3	16,461	1,634
6	Bottling .....	4	16,112	5,356
7	Bread and other bakery products.....	76	394,350	60,560
8	Brick and tile .....	61	950,203	08,580
9	Brooms and brushes.....	7	5,282	448
10	Carpentering.....	108	269,765	10,970
11	Carriage and wagon materials.....	5	50,850	3,878
12	Carriages and wagons, including custom work and repairing.....	129	840,441	50,138
13	Cars and general shop construction and repairs by steam railroad companies.....	11	450,512	-----
14	Clay and pottery products.....	17	220,269	5,730
15	Clothing, men's, custom work and repairing.....	77	358,381	30,865
16	Clothing, men's, factory product.....	13	145,105	5,905
17	Clothing, women's, dressmaking.....	194	43,085	20,680
18	Coffins and burial cases, trimming and finishing.....	17	02,005	4,266
19	Coffins, burial cases, and undertakers' goods.....	3	295,250	20,780
20	Confectionery .....	15	88,400	11,732
21	Cooperage .....	13	73,385	6,873

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## FLORIDA—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.								Cost of materials used.	Value of products, including receipts from custom work and repairing.		
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.					
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.				
108	\$30,592	31	\$20,237	75	\$39,355	2	\$1,000	\$57,000	\$144,137 7		
287	152,157	7	7,160	280	144,997	21	6,005	201,514	364,043 8		
47	22,945	9	6,930	17	9,410	—	—	24,184	61,495 9		
57	18,532	32	13,577	24	4,905	1	50	41,100	64,939 10		
10	7,174	3	3,174	6	3,250	1	750	8,725	22,275 11		
18	8,000	7	3,030	11	4,370	—	—	7,850	18,018 12		
127	10,479	2	273	125	10,200	—	—	5,305	28,127 13		
11	7,142	7	5,057	4	2,085	—	—	2,715	15,850 14		
28	9,005	5	5,600	23	4,305	—	—	74,075	86,137 15		
190	30,438	35	9,815	150	20,268	5	325	150,135	198,110 16		
146	87,257	15	15,020	131	72,237	—	—	47,058	152,259 17		
8	4,300	3	2,200	4	2,000	1	100	2,850	8,325 18		
36	24,174	8	7,992	28	16,182	—	—	23,880	115,049 19		
93	46,098	11	9,400	82	36,698	—	—	25,328	151,915 20		
18	11,028	2	868	16	11,000	—	—	10,381	20,100 21		
42	14,885	4	2,360	35	11,325	3	1,200	8,987	34,793 22		
4,299	1,308,120	215	156,701	3,676	1,225,139	340	16,100	2,733,322	5,424,367 23		
168	91,361	20	16,500	147	74,073	1	128	119,799	270,295 24		
19	9,873	4	2,000	15	6,973	—	—	17,048	31,820 25		
38	11,141	14	5,468	20	5,287	4	386	18,084	34,480 26		
51	23,961	9	7,803	42	16,158	—	—	13,840	50,082 27		
28	18,276	8	6,750	20	11,522	—	—	22,200	46,383 28		
17	7,580	7	3,840	10	3,716	—	—	2,743	12,192 29		
14	9,614	7	5,725	6	3,390	1	400	3,890	16,457 30		
72	43,452	10	9,100	62	34,352	—	—	105,874	240,105 31		
44	21,552	5	7,500	27	13,800	12	252	11,830	43,700 32		
515	200,113	86	60,416	381	163,727	48	26,910	110,202	521,198 33		
27	10,500	5	4,420	22	12,140	—	—	19,540	39,375 34		
7	4,230	1	1,000	6	3,230	—	—	4,568	13,175 35		
78	33,621	7	3,740	62	28,155	7	1,726	21,702	68,020 36		
6	1,650	5	1,500	1	60	—	—	530	2,816 37		
484	63,249	—	—	477	92,673	7	546	45,865	101,850 38		
311	48,507	2	650	197	31,507	142	16,380	11,681	90,672 39		
12	4,068	2	920	10	4,042	—	—	4,452	11,000 40		
5,362	3,457,010	79	81,444	2,368	1,306,220	2,005	1,070,016	3,237,061	8,123,230 41		
655	239,511	51	40,024	457	144,514	184	54,403	627,016	1,057,878 42		

medicines and compounds, 1; perfumery and cosmetics, 2; pickles, preserves, and sauces, 1; plastering and stuccowork, 1; pumps, not including steam pumps, 1; rice, cleaning and polishing, 1; slaughtering, wholesale, not including meat packing, 2; sugar and molasses, refining, 1; trunks and valises, 1; umbrellas and canes, 1; upholstery materials, 2; wood, preserving, 1; wood, turned and carved, 1.

## GEORGIA.

56,383	17,312,100	4,085	2,688,200	48,911	13,717,564	3,987	906,482	35,774,480	68,917,020	1
467	174,811	32	34,443	411	124,118	24	16,250	425,085	703,826	2
733	205,315	223	99,576	502	104,584	8	1,155	128,502	551,401	3
345	128,419	135	50,145	178	60,065	37	12,200	70,468	250,287	4
26	7,294	4	3,100	18	2,879	4	1,225	7,017	18,542	5
50	20,892	5	3,052	51	22,040	—	—	61,845	140,130	6
496	190,774	80	58,704	407	132,010	—	—	786,572	1,241,340	7
2,080	473,872	61	46,420	1,874	407,977	145	19,475	253,922	1,201,542	8
25	5,554	5	1,390	20	4,104	—	—	9,380	20,500	9
1,017	483,570	71	51,788	621	423,071	22	8,120	702,083	1,475,087	10
73	32,243	8	7,531	65	24,712	—	—	37,057	100,585	11
950	408,289	130	93,413	815	311,212	14	3,004	550,000	1,221,110	12
989	541,707	23	19,140	966	522,057	—	—	349,844	802,610	13
264	90,011	31	20,510	223	64,003	10	4,868	31,177	211,250	14
583	347,007	77	57,383	288	102,907	218	117,557	360,707	804,366	15
309	98,543	20	18,505	101	27,424	230	52,524	193,325	352,461	16
486	133,409	177	67,500	282	62,028	27	3,805	412,101	600,003	17
44	23,104	10	11,950	23	10,261	2	884	58,373	115,024	18
133	61,387	12	11,342	121	50,045	—	—	53,050	177,800	19
106	45,593	32	22,503	70	22,190	4	900	168,004	285,104	20
107	46,893	6	6,844	75	25,374	26	14,675	82,216	177,806	21

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
GEORGIA—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
22	Cotton, compressing.	9	\$1,708,000	\$51,237
23	Cotton, ginning.	281	358,958	14,035
24	Cotton goods.	53	17,664,675	724,822
25	Dentistry, mechanical.	23	15,030	5,258
26	Druggists' preparations, not including prescriptions.	8	22,050	1,070
27	Dyeing and cleaning.	12	12,360	2,841
28	Fertilizers.	44	5,501,881	468,500
29	Flouring and grist mill products.	710	2,347,835	103,985
30	Foundry and machine shop products.	52	2,107,000	124,362
31	Fruits and vegetables, canning and preserving.	4	20,217	1,417
32	Furniture, cabinetmaking, repairing and upholstering.	35	34,175	5,034
33	Furniture, chairs.	5	35,225	2,111
34	Furniture, factory product.	17	777,625	67,520
35	Gas, illuminating and heating.	11	1,588,406	114,075
36	Hand stamps.	4	8,550	1,184
37	Hosiery and knit goods.	4	121,404	10,005
38	Ice, artificial.	16	487,534	18,231
39	Iron and steel.	5	908,243	58,632
40	Ironwork, architectural and ornamental.	3	67,242	4,172
41	Leather, tanned and curried.	32	373,010	12,721
42	Lime and cement.	4	100,300	201
43	Liquors, distilled.	37	83,025	158,397
44	Liquors, malt.	5	623,247	92,140
45	Lock and gunsmithing.	10	12,030	3,528
46	Looking-glass and picture frames.	4	6,500	1,805
47	Lumber and other mill products from logs or bolts.	434	4,884,508	202,800
48	Lumber, planing mill products, including sash, doors, and blinds.	82	1,077,880	126,103
49	Marble and stone work.	14	343,750	20,252
50	Masonry, brick and stone.	34	101,242	9,931
51	Mattresses and spring beds.	18	189,000	19,359
52	Millinery, custom work.	43	108,945	20,530
53	Mineral and soda waters.	14	56,135	4,480
54	Monuments and tombstones.	11	26,660	3,778
55	Musical instruments and materials, not specified.	5	6,300	1,389
56	Oil, cottonseed and cake.	17	902,131	86,843
57	Painting and paper hanging.	69	66,112	9,235
58	Paints.	3	49,650	2,541
59	Paper.	3	117,400	5,025
60	Patent medicines and compounds.	14	254,386	331,780
61	Paving and paving materials.	5	67,928	6,700
62	Photography.	37	33,317	9,630
63	Plastering and stuccowork.	9	6,400	930
64	Plumbing and gas fitting.	30	153,068	10,917
65	Printing and publishing, book and job.	34	481,329	36,639
66	Printing and publishing, newspapers and periodicals.	204	1,286,729	300,163
67	Roofing and roofing materials.	17	40,300	6,014
68	Saddlery and harness.	43	172,666	21,308
69	Shipbuilding.	4	156,100	9,381
70	Shirts.	3	3,200	429
71	Tar and turpentine.	228	2,242,502	108,003
72	Timber products, not manufactured at mill.	15	135,067	25,470
73	Tinsmithing, coppersmithing, and sheet-iron working.	37	282,770	15,518
74	Tobacco, chewing, smoking, and snuff.	6	13,507	3,302
75	Tobacco, cigars and cigarettes.	17	45,336	12,038
76	Trunks and valises.	6	88,600	11,029
77	Umbrellas and canes.	4	350	286
78	Vinegar and cider.	9	40,025	1,972
79	Watch, clock, and jewelry repairing.	50	64,060	10,385
80	Woodenware, not elsewhere specified.	3	17,015	1,480
81	Woolen goods.	14	298,539	10,887
82	All other industries (a).	64	1,708,410	150,149

a Embraces awnings, tents, and sails, 1; bagging, flax, hemp, and jute, 1; bags, paper, 2; baking and yeast powders, 1; baskets and rattan and willow ware, 1; bookbinding and blank-book making, 1; boot and shoe uppers, 1; boxes, fancy and paper, 2; boxes, wooden packing, 2; bridges, 1; chemicals, 2; coffee and spice, roasting and grinding, 2; coke, 1; cordage and twine, 1; cutlery and edge tools, 1; electrical apparatus and supplies, 1; fancy articles, not elsewhere specified, 2; food preparations, 1; furnishing goods, men's, 1; glass, 2; hairwork, 2; hardware, 1; hats and caps, not including wool hats, 2;

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## GEORGIA—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.								Cost of materials used.	Value of products, including receipts from custom work and repairing.
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.			
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.		
514	\$127,147	43	\$27,965	471	\$90,182	.....	.....	\$50,135	\$401,303 22
1,236	88,903	142	20,034	1,080	68,583	8	8,826	25,013	227,782 23
10,530	2,306,085	216	100,049	9,200	1,923,720	1,024	243,316	7,832,230	12,035,620 24
30	24,610	24	21,765	5	2,415	1	400	8,012	60,210 25
23	5,445	7	2,580	16	2,856	.....	.....	9,002	23,110 26
55	20,258	15	7,351	40	12,007	.....	.....	4,220	20,702 27
1,428	484,580	161	158,578	1,264	326,011	.....	.....	3,008,883	5,020,034 28
1,394	301,342	316	103,378	1,075	197,934	3	80	4,350,700	5,190,311 29
1,743	842,449	111	110,148	1,032	782,301	.....	.....	751,290	2,272,953 30
52	6,825	3	1,737	31	3,228	18	800	12,460	28,770 31
89	31,511	24	11,007	69	10,988	2	510	42,727	104,421 32
273	39,910	4	2,590	100	25,390	160	11,900	25,015	108,160 33
765	940,908	61	45,102	703	301,641	1	225	492,552	688,408 34
156	95,337	35	33,760	121	61,577	.....	.....	105,698	626,770 35
14	8,104	7	4,736	7	3,308	.....	.....	2,973	18,075 36
349	71,052	11	7,860	100	40,510	148	17,582	70,097	100,850 37
197	65,102	20	13,745	177	51,417	.....	.....	58,115	282,970 38
357	112,170	18	23,125	339	89,045	.....	.....	321,728	471,757 39
82	49,202	6	6,852	76	42,350	.....	.....	38,561	110,076 40
255	94,300	38	22,444	215	71,525	2	400	250,585	433,853 41
144	51,572	10	9,230	130	40,842	4	1,500	30,021	110,020 42
110	31,789	15	5,313	100	20,026	4	450	60,034	323,938 43
193	129,180	28	31,950	140	86,730	25	10,500	241,783	580,700 44
35	10,808	20	12,336	15	7,470	.....	.....	11,528	42,480 45
11	4,030	2	936	0	4,000	.....	.....	10,032	19,150 46
5,017	1,572,284	317	151,403	5,501	1,399,673	90	21,208	3,263,027	6,300,095 47
2,317	998,302	180	147,012	2,143	850,800	14	430	1,007,370	3,518,972 48
217	121,002	24	24,980	183	96,022	.....	.....	132,930	375,520 49
732	249,197	27	26,900	695	220,807	10	1,400	411,680	750,738 50
211	70,283	23	16,024	144	40,036	44	8,723	242,081	422,824 51
197	80,040	46	22,041	140	58,808	2	100	153,622	318,818 52
78	25,742	17	10,202	61	15,540	.....	.....	27,236	103,281 53
60	33,276	9	7,080	51	20,100	.....	.....	40,615	66,800 54
18	9,902	7	5,500	10	3,682	1	780	2,002	16,675 55
800	186,085	49	41,128	751	145,557	.....	.....	1,280,421	1,670,100 56
371	170,431	50	30,117	270	131,050	33	8,355	172,370	480,220 57
43	15,152	7	8,424	36	6,728	.....	.....	30,737	62,000 58
74	20,540	4	3,740	70	16,800	.....	.....	45,685	93,874 59
131	61,005	35	82,807	96	28,888	.....	.....	180,147	837,495 60
422	170,230	5	4,670	385	135,000	32	80,000	184,407	513,618 61
70	35,704	31	18,020	38	17,040	1	104	81,560	94,205 62
48	18,424	6	2,144	29	11,450	13	4,830	15,303	41,402 63
278	151,202	34	28,057	244	123,235	.....	.....	200,910	580,812 64
515	252,837	86	63,772	424	180,640	5	2,425	222,814	628,805 65
1,415	700,724	251	190,501	1,033	520,187	131	50,020	537,271	2,078,024 66
134	63,184	0	5,064	125	57,140	.....	.....	81,078	180,960 67
267	113,398	38	22,070	223	87,639	6	3,680	161,170	378,976 68
118	61,134	0	6,080	112	55,054	.....	.....	45,716	126,300 69
26	7,524	4	1,852	22	5,672	.....	.....	6,144	17,630 70
9,911	2,012,306	22	14,210	9,563	1,055,577	326	42,009	1,001,086	4,242,255 71
348	115,001	5	2,065	125	30,701	218	75,575	41,222	230,100 72
868	178,370	50	41,824	317	136,021	1	125	231,572	528,814 73
43	3,200	3	900	37	2,100	3	50	4,383	13,038 74
78	40,745	10	6,868	44	18,766	24	15,111	42,502	110,149 75
208	71,580	0	7,402	74	26,418	125	37,700	97,435	211,050 76
5	1,676	4	1,520	1	150	.....	.....	1,183	3,975 77
52	14,658	20	6,773	32	7,885	.....	.....	37,202	89,040 78
91	59,377	20	18,874	58	39,062	4	1,441	20,707	121,971 79
18	6,516	3	976	15	5,540	.....	.....	14,855	27,350 80
179	32,401	17	9,367	144	20,649	18	2,385	95,999	173,245 81
1,221	502,000	150	120,831	974	343,250	97	37,970	1,011,900	3,158,325 82

jewelry, 1; lithographing and engraving, 1; matches, 1; millinery and lace goods, 2; models and patterns, 1; musical instruments, pianos and materials, 2; oil, resin, 1; perfumery and cosmetics, 2; rice, cleaning and polishing, 3; sausage, 1; saws, 1; scales and balances, 1; show cases, 2; slaughtering, wholesale, not including meat packing, 1; soap and candles, 2; steam fittings and heating apparatus, 1; stencils and brands, 2; stereotyping and electrotyping, 1; tools, not elsewhere specified, 1; upholstery materials, 1; wirework, including wire rope and cable, 2; wood, turned and carved, 2.

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
IDAHO.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
1	All industries.....	140	\$1,048,916	\$69,586
2	Blacksmithing and wheelwrighting.....	17	33,781	1,271
3	Brick and tile.....	5	11,405	1,103
4	Cheese, butter, and condensed milk, factory product.....	4	25,175	1,314
5	Flouring and gristmill products.....	13	228,405	8,270
6	Liquors, malt.....	5	16,030	3,294
7	Lumber and other mill products from logs or bolts.....	41	419,880	17,858
8	Mineral and soda waters.....	3	6,285	240
9	Printing and publishing, newspapers and periodicals.....	29	141,990	21,011
10	Saddlery and harness.....	5	26,755	746
11	Timber products, not manufactured at mill.....	3	42,250	8,720
12	Tinsmithing, coppersmithing, and sheet-iron working.....	4	23,885	671
13	All other industries (a).....	11	70,075	5,080

(a) Embraces boots and shoes, custom work and repairing, 2; clothing, men's, custom work and repairing, 1; furniture, cabinetworking, repairing and upholstering, 1; lime and cement, 2; lumber, planing mill products, including sash, doors, and blinds, 1; millinery, custom work, 1; photography, 1; wirework, including wire rope and cable, 1; woolen goods, 1.

## ILLINOIS.

1	All industries.....	20,482	502,004,512	70,515,193
2	Agricultural implements.....	100	48,639,383	3,502,439
3	Artificial feathers and flowers.....	0	69,950	5,031
4	Artificial limbs.....	5	4,320	2,424
5	Awnings, tents, and sails.....	24	258,163	27,401
6	Axle grease.....	0	200,840	18,401
7	Babbitt metal and solder.....	3	23,090	2,000
8	Bags, other than paper.....	4	280,403	15,305
9	Baking and yeast powders.....	16	1,017,500	302,558
10	Baskets and rattan and willow ware.....	9	44,295	4,977
11	Belting and hose, leather.....	9	371,100	16,045
12	Bicycles and tricycles.....	5	505,612	85,050
13	Billiard tables and materials.....	5	747,140	56,736
14	Blacking.....	7	23,925	2,187
15	Blacksmithing and wheelwrighting.....	1,757	2,408,408	193,098
16	Bluing.....	3	26,305	3,026
17	Bookbinding and blank-book making.....	50	902,418	101,002
18	Boot and shoe cut stock.....	7	113,450	10,884
19	Boot and shoe uppers.....	9	62,730	7,048
20	Boots and shoes, custom work and repairing.....	1,228	1,030,105	180,304
21	Boots and shoes, factory product.....	56	3,781,470	388,001
22	Bottling.....	25	150,010	14,624
23	Boxes, cigar.....	11	158,240	14,526
24	Boxes, fancy and paper.....	23	544,510	40,302
25	Boxes, wooden packing.....	30	1,303,350	91,400
26	Brass castings and brass finishing.....	29	626,221	52,235
27	Brassware.....	8	23,025	3,004
28	Bread and other bakery products.....	530	3,332,200	445,302
29	Brick and tile.....	604	8,905,509	675,457
30	Bridges.....	10	1,357,500	90,387
31	Brooms and brushes.....	103	554,545	35,286
32	Buttons.....	4	42,725	2,820
33	Carpentering.....	1,070	5,773,835	629,150
34	Carpets, rug.....	41	38,032	3,877
35	Carriage and wagon materials.....	22	130,308	6,568
36	Carriages and sleds, children's.....	0	315,220	15,440
37	Carriages and wagons, including custom work and repairing.....	550	9,078,310	501,344
38	Cars and general shop construction and repairs by steam railroad companies.....	70	7,791,234	5,629
39	Cars and general shop construction and repairs by street railroad companies.....	3	1,109,500	23,060
40	Cars, steam railroad, not including operations of railroad companies.....	9	10,070,784	217,384
41	Cheese and butter, urban dairy product.....	4	4,906	1,796
42	Cheese, butter, and condensed milk, factory product.....	202	2,180,685	100,850
43	Chemicals.....	34	1,829,020	113,301
44	Clay and pottery products.....	40	1,075,108	143,204
45	Cleansing and polishing preparations.....	8	67,497	6,156
46	Clothing, men's, custom work and repairing.....	1,007	4,612,506	800,876

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## IDAHO.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.									
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.		
774	\$324,292	107	\$68,295	652	\$251,037	15	\$8,970	\$638,073	\$1,380,000 1
39	19,078	20	12,181	19	7,707			17,340	46,807 2
38	4,710	3	510	35	4,200			1,000	9,800 3
16	2,800	3	775	13	2,025			11,461	17,805 4
63	31,333	11	7,490	50	23,123	2	720	202,811	376,946 5
15	4,434	6	2,080	9	2,354			5,265	17,580 6
372	125,220	12	7,575	340	115,595	11	2,050	187,097	429,000 7
4	1,236	2	936	2	300			1,202	5,550 8
117	80,027	31	23,540	84	55,287	2	1,200	28,237	100,783 9
11	8,117	8	5,527	3	2,500			26,800	41,400 10
34	20,350	1	1,800	33	18,550			57,025	201,800 11
27	15,392	4	3,172	23	12,220			17,001	45,984 12
38	10,605	6	2,700	32	7,886			21,004	41,501 13

## ILLINOIS.

312,108	171,523,570	31,080	28,650,314	242,457	124,538,091	87,701	18,334,274	520,010,089	808,040,280 1
10,417	5,457,710	915	840,145	7,475	3,693,017	2,027	914,954	10,102,508	24,000,600 2
80	40,174	8	9,850	39	14,548	39	15,776	102,200	179,250 3
11	12,276	6	6,080	5	5,500			7,450	20,000 4
312	170,696	36	32,372	235	119,484	41	18,840	430,409	757,180 5
72	53,353	28	32,078	44	21,275			175,238	302,500 6
15	9,578	5	4,580	10	4,902			43,174	69,080 7
130	58,842	15	15,580	115	43,262			671,000	825,000 8
490	271,589	104	124,426	345	135,463	41	11,700	1,723,423	2,795,610 0
96	62,052	11	8,402	73	38,380	12	5,200	42,085	120,000 10
111	73,607	23	23,510	88	56,121			385,340	540,500 11
807	392,507	44	50,020	633	332,078	20	10,400	272,004	970,000 12
559	398,600	51	58,822	508	300,838			673,015	1,296,000 13
53	29,048	23	10,424	30	10,224			38,757	84,410 14
3,361	1,055,320	1,055	1,002,002	1,060	934,311	40	19,016	957,803	3,921,434 15
27	15,510	9	7,810	18	7,700			44,284	87,770 16
1,115	504,127	115	122,141	902	470,444	8	1,542	606,033	1,050,330 17
115	57,800	12	11,015	103	46,846			579,805	745,224 18
64	37,008	18	13,001	32	15,754	14	8,313	132,245	195,883 19
2,044	1,010,527	1,057	540,602	770	364,846	217	104,080	614,051	2,141,805 20
4,152	2,047,331	160	150,333	3,344	1,027,270	648	269,728	4,931,986	8,750,824 21
126	64,070	20	25,924	97	30,052			183,086	300,853 22
262	112,376	20	20,648	137	57,232	105	34,496	153,086	341,287 23
1,103	367,018	49	47,105	574	177,973	480	141,940	451,030	1,010,653 24
1,386	729,864	64	66,747	1,268	690,788	64	32,350	1,080,210	2,062,603 25
651	418,103	80	90,107	561	316,484	10	8,572	731,821	1,474,123 26
63	31,358	15	9,730	46	21,108	2	520	32,707	78,052 27
3,507	2,004,201	702	564,617	2,765	1,421,059	40	17,086	4,016,491	8,832,725 28
9,097	3,216,826	544	331,446	8,222	2,542,570	931	342,810	1,069,309	6,399,492 29
897	927,510	42	59,080	855	508,480			1,880,175	2,836,037 30
740	333,062	120	80,361	349	133,827	205	118,814	465,615	940,225 31
57	21,508	9	9,805	48	11,763			6,150	46,800 32
10,428	9,064,174	1,158	1,007,601	9,005	5,794,138	176	102,375	10,104,337	20,392,422 33
99	38,266	39	17,505	19	5,912	41	14,780	26,492	80,387 34
179	83,097	33	21,830	116	45,070	30	16,791	97,335	232,241 35
404	208,050	23	17,300	381	171,350	60	20,000	301,900	600,100 36
5,500	3,187,870	648	545,975	4,370	2,344,552	533	207,352	3,721,807	9,041,725 37
10,541	6,054,161	264	108,680	10,268	5,812,500	0	12,072	5,000,403	12,208,617 38
305	251,604	2	4,500	303	247,104			238,511	694,854 39
7,075	4,363,119	176	128,712	4,583	2,768,989	2,290	1,405,418	10,093,125	17,117,223 40
10	4,030	1	520	0	4,116			27,082	38,615 41
1,540	668,014	106	129,700	1,182	500,337	102	58,881	6,582,144	8,004,001 42
489	297,401	100	106,445	875	188,227	8	2,789	836,991	1,582,125 43
1,512	753,934	69	65,137	1,363	635,118	90	59,679	426,184	1,556,500 44
67	32,215	17	16,195	50	10,020			56,485	130,645 45
8,379	4,050,804	1,310	1,128,635	3,374	1,850,548	3,686	1,980,711	5,358,314	12,550,581 46

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
ILLINOIS—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
47	Clothing, men's, factory product .....	100	\$13,275,575	\$2,752,621
48	Clothing, men's, factory product, buttonholes.....	3	560	260
49	Clothing, women's, dressmaking.....	1,051	1,062,634	200,942
50	Clothing, women's, factory product .....	71	2,763,112	600,030
51	Coffee and spice, roasting and grinding.....	18	1,920,033	100,265
52	Coffins and burial cases, trimming and finishing.....	88	306,720	25,016
53	Coffins, burial cases, and undertakers' goods.....	12	1,100,550	84,072
54	Confectionery.....	88	1,606,413	230,255
55	Cooperage .....	179	1,993,667	152,455
56	Cordage and twine.....	6	547,101	30,208
57	Cork, cutting .....	5	107,850	12,447
58	Corsets .....	0	98,650	7,451
59	Cotton goods .....	4	766,405	18,980
60	Cutlery and edge tools .....	7	221,703	6,431
61	Dentistry, mechanical .....	356	405,212	150,125
62	Druggists' preparations, not including prescriptions .....	75	339,218	29,056
63	Dyeing and cleaning .....	55	188,683	33,132
64	Dyeing and finishing textiles .....	3	20,500	1,420
65	Electrical apparatus and supplies .....	11	305,834	36,544
66	Electroplating .....	10	507,015	31,043
67	Engravers' materials .....	3	32,200	2,028
68	Engraving and diesinking .....	24	107,091	21,950
69	Engraving, steel, including plate printing .....	0	20,298	4,810
70	Engraving, wood .....	19	38,503	16,280
71	Fancy articles, not elsewhere specified .....	20	43,785	7,358
72	Fertilizers .....	4	914,844	53,220
73	Fire extinguishers, chemical .....	3	81,400	2,218
74	Flavoring extracts .....	0	102,425	13,407
75	Flouring and gristmill products .....	647	13,101,860	905,299
76	Food preparations .....	24	598,553	120,154
77	Foundry and machine shop products .....	408	20,726,767	2,220,217
78	Fruits and vegetables, canning and preserving .....	23	638,871	60,005
79	Fur goods .....	32	667,055	81,268
80	Furnishing goods, men's .....	25	803,734	110,041
81	Furniture, cabinetmaking, repairing, and upholstering .....	187	1,042,715	88,406
82	Furniture, chairs .....	13	723,304	80,151
83	Furniture, factory product .....	109	8,810,000	588,895
84	Galvanizing .....	3	173,500	5,052
85	Gas and lamp fixtures .....	5	605,002	28,570
86	Gas, illuminating and heating .....	90	43,542,862	1,313,305
87	Gas machines and meters .....	5	34,050	3,025
88	Glass .....	13	1,721,878	134,025
89	Glass, cutting, staining, and ornamenting .....	23	361,058	20,134
90	Gloves and mittens .....	14	830,605	24,259
91	Glucose .....	4	3,170,714	334,729
92	Gold and silver, leaf and foil .....	4	25,450	1,282
93	Grease and tallow .....	10	505,012	21,484
94	Hairwork .....	41	125,402	30,703
95	Hand stamps .....	13	80,757	8,260
96	Hardware .....	38	2,443,225	308,753
97	Hardware, saddlery .....	6	56,228	3,628
98	Hats and caps, not including wool hats .....	20	118,872	17,908
99	Hay and straw, baling .....	5	10,200	1,343
100	Hosiery and knit goods .....	35	1,264,576	68,123
101	House furnishing goods, not elsewhere specified .....	6	217,100	13,203
102	Ice, artificial .....	8	329,905	10,000
103	Ink, writing .....	3	71,100	3,951
104	Instruments, professional and scientific .....	8	59,205	0,502
105	Iron and steel .....	20	32,471,977	686,958
106	Iron and steel, forgings .....	8	786,650	31,012
107	Iron and steel, nails and spikes, cut and wrought, including wire nails .....	10	1,062,604	40,061
108	Ironwork, architectural and ornamental .....	100	3,353,646	278,753
109	Jewelry .....	25	207,615	50,073
110	Labels and tags .....	7	31,535	2,604
111	Lamps and reflectors .....	9	87,850	8,721
112	Lard, refined .....	5	1,625,440	581,034
113	Lead, bar, pipe, and sheet .....	3	959,404	31,950
114	Leather goods .....	6	359,502	22,241

## MANUFACTURES.

731

BY SPECIFIED INDUSTRIES: 1890—Continued.

## ILLINOIS—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.								Cost of materials used.	Value of products, including receipts from custom work and repairing.		
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.					
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.				
16,612	\$6,533,985	608	\$641,306	18,080	\$4,706,077	2,074	\$1,000,622	\$18,100,308	\$33,626,441 47		
14	5,242	3	1,540	11	3,692	737	8,220	737	48		
3,700	1,830,008	1,061	532,201	2,587	719,907	102	78,800	2,224,304	4,303,026 49		
2,073	1,181,478	160	167,805	2,070	835,874	443	177,700	3,257,712	6,422,431 50		
510	307,373	152	145,637	305	148,204	53	12,532	8,320,128	9,307,083 51		
173	106,103	94	60,507	78	39,576	1	80	239,758	475,606 52		
520	200,053	51	58,306	414	201,158	55	30,580	334,014	942,102 53		
1,812	760,738	246	206,520	1,525	543,400	41	10,803	2,729,539	4,438,821 54		
2,582	1,242,430	144	113,553	1,335	600,226	1,103	519,651	2,753,516	4,708,008 55		
546	156,590	8	8,704	413	112,877	125	35,000	1,373,081	1,354,185 56		
95	49,896	12	17,108	83	32,788	-----	-----	117,363	205,400 57		
229	85,082	35	24,088	103	60,844	1	160	90,635	254,087 58		
464	150,386	24	26,400	430	123,980	-----	-----	337,773	563,088 59		
228	95,840	13	11,220	209	80,602	6	3,025	75,418	216,644 60		
648	584,206	365	435,015	276	142,881	7	5,410	184,321	1,402,702 61		
154	84,031	66	47,452	88	37,470	-----	-----	110,340	318,571 62		
265	126,879	69	46,598	103	78,433	3	1,848	146,408	358,005 63		
21	10,424	5	2,532	16	7,802	-----	-----	6,810	26,741 64		
300	186,146	40	42,110	240	128,400	20	15,000	184,625	486,700 65		
252	134,169	25	22,463	222	108,082	5	3,024	94,393	330,570 66		
30	18,888	6	5,248	24	13,640	-----	-----	20,157	40,500 67		
239	178,087	37	40,028	181	118,450	21	19,000	51,843	310,025 68		
63	40,123	11	14,504	52	31,619	-----	-----	8,000	75,120 69		
171	142,142	34	40,944	134	90,034	3	2,164	15,327	221,282 70		
83	34,077	28	14,085	28	11,100	27	8,796	44,314	110,780 71		
278	200,574	30	57,070	248	142,595	-----	-----	207,085	624,758 72		
15	11,114	5	6,775	10	4,333	-----	-----	10,610	47,100 73		
64	28,645	14	8,900	50	10,085	-----	-----	141,502	229,700 74		
4,386	2,048,710	835	567,702	3,386	1,420,971	104	51,583	31,733,747	37,074,885 75		
451	200,315	80	74,051	330	126,224	35	9,040	1,045,036	1,705,246 76		
18,538	10,910,656	1,338	1,474,140	15,065	8,141,858	2,135	1,303,058	17,313,882	38,808,114 77		
2,206	150,404	24	14,497	1,455	105,655	727	30,312	708,556	1,106,181 78		
453	293,138	87	98,083	364	188,719	12	5,336	589,068	1,157,180 79		
995	425,240	66	74,464	785	298,153	144	52,623	1,140,252	1,008,177 80		
950	511,009	207	145,061	606	344,584	47	21,504	817,256	1,038,456 81		
725	353,121	51	47,133	602	233,028	72	22,300	271,921	880,770 82		
8,970	5,061,467	475	537,420	6,050	3,095,118	1,545	828,920	5,065,015	14,406,835 83		
54	25,065	7	4,065	47	20,100	-----	-----	363,502	421,000 84		
198	130,736	23	28,100	175	102,510	-----	-----	138,501	362,050 85		
1,463	960,385	140	179,344	1,323	781,041	-----	-----	829,005	5,204,206 86		
31	23,763	7	6,396	24	17,357	-----	-----	19,733	54,808 87		
2,793	1,232,701	31	44,710	2,061	65,076	671	492,075	682,248	2,372,011 88		
600	361,424	48	54,272	551	306,362	1	800	280,700	817,000 89		
296	110,712	15	11,970	167	72,763	114	25,973	304,000	512,171 90		
607	570,058	29	66,900	878	503,998	-----	-----	2,735,483	4,370,322 91		
90	46,246	6	6,242	34	17,004	50	23,400	71,557	135,312 92		
212	133,052	26	25,702	186	108,250	-----	-----	531,606	901,987 93		
253	121,872	54	44,040	199	53,800	60	23,972	93,031	316,317 94		
62	43,135	58	42,320	4	800	-----	-----	25,808	95,095 95		
1,018	1,057,946	148	160,425	1,533	780,601	237	110,830	1,212,508	3,009,103 96		
66	32,031	6	4,480	60	28,151	-----	-----	19,018	65,203 97		
210	110,068	20	29,802	95	46,500	86	43,696	115,310	335,925 98		
35	10,120	-----	-----	35	10,120	-----	-----	41,610	61,200 99		
1,878	545,109	74	78,001	1,242	366,090	502	100,718	980,780	1,990,035 100		
90	41,028	7	6,040	60	24,586	23	11,000	370,000	500,034 101		
161	87,438	28	19,986	133	67,462	-----	-----	27,530	171,576 102		
63	22,875	9	7,078	54	14,897	-----	-----	50,375	114,200 103		
65	43,148	18	19,710	47	23,408	-----	-----	22,864	110,250 104		
7,734	4,016,199	151	231,908	7,583	4,684,201	-----	-----	28,005,745	37,173,405 105		
280	208,439	22	86,464	207	121,775	60	60,200	380,893	728,905 106		
665	278,000	82	41,315	504	226,523	39	10,852	580,578	1,002,578 107		
2,627	1,774,800	215	265,822	2,830	1,494,857	23	14,121	2,536,505	5,438,026 108		
371	298,113	53	61,100	318	237,013	-----	-----	455,007	932,000 109		
59	17,036	8	6,224	25	7,312	26	3,500	27,240	58,715 110		
80	49,534	12	11,109	66	35,825	2	2,000	36,305	125,050 111		
293	167,025	15	15,075	240	142,850	29	9,100	3,545,003	4,554,891 112		
186	120,240	34	33,320	152	80,920	-----	-----	2,447,381	2,584,200 113		
813	138,932	21	23,390	291	114,842	1	100	177,315	410,797 114		

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
ILLINOIS—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establish- ments report- ing,	Capital.	Miscella- neous expenses.
115	Leather, tanned and curried.	30	\$4,876,071	\$100,141
116	Lime and cement.	39	1,247,191	34,621
117	Liquors, distilled.	7	8,782,041	31,505,991
118	Liquors, malt.	88	21,294,107	3,452,695
119	Lithographing and engraving.	15	337,269	62,756
120	Lock and gun smithing.	66	132,070	10,834
121	Looking-glass and picture frames.	99	1,100,308	105,579
122	Lumber and other mill products from logs or bolts.	357	4,056,562	352,783
123	Lumber, planing mill products, including sash, doors, and blinds.	236	11,301,630	684,019
124	Malt.	23	4,567,000	264,468
125	Mantels, slate, marble, and marbleized.	7	291,060	13,712
126	Marble and stone work.	73	2,728,036	173,758
127	Masonry, brick and stone.	295	3,023,381	207,160
128	Mattresses and spring beds.	41	976,302	80,429
129	Millinery and lace goods.	7	282,100	32,182
130	Millinery, custom work.	415	1,574,301	198,606
131	Mineral and soda waters.	72	781,487	149,215
132	Mirrors.	7	226,350	27,306
133	Models and patterns.	38	145,418	23,376
134	Monuments and tombstones.	115	815,810	81,772
135	Mucilage and paste.	4	25,050	1,918
136	Musical instruments and materials, not specified.	14	175,805	21,268
137	Musical instruments, organs and materials.	17	3,339,023	128,266
138	Musical instruments, pianos and materials.	8	333,900	77,944
139	Oil, linseed.	8	1,623,502	91,413
140	Oil, lubricating.	4	69,525	4,920
141	Oleomargarine.	4	430,400	260,407
142	Optical goods.	6	84,600	15,256
143	Painting and paper hanging.	600	2,179,191	205,780
144	Paints.	30	3,747,805	400,511
145	Paper.	21	1,087,381	110,214
146	Patient medicines and compounds.	65	911,193	206,131
147	Paving and paving materials.	24	1,777,904	143,802
148	Perfumery and cosmetics.	11	116,510	28,601
149	Photography.	248	601,510	137,808
150	Photolithographing and engraving.	12	125,400	10,248
151	Pickles, preserves, and sauces.	28	513,732	86,139
152	Pipes, tobacco.	5	4,380	1,437
153	Plastering and stuccowork.	112	342,430	10,785
154	Plumbers' supplies.	7	1,205,314	28,087
155	Plumbing and gas fitting.	341	1,018,520	147,860
156	Printing and publishing, book and job.	380	8,608,810	2,382,969
157	Printing and publishing, music.	10	86,210	24,328
158	Printing and publishing, newspapers and periodicals.	996	9,714,024	3,282,077
159	Printing materials.	10	693,075	36,430
160	Pumps, not including steam pumps.	10	607,520	10,233
161	Refrigerators.	4	75,900	2,020
162	Regalia and society banners and emblems.	9	64,600	11,274
163	Roofing and roofing materials.	102	820,910	71,860
164	Rubber and elastic goods.	11	128,000	13,504
165	Saddlery and harness.	654	2,800,136	208,600
166	Sausage.	13	43,537	4,177
167	Saws.	10	257,500	23,081
168	Scales and balances.	6	129,634	8,804
169	Sewing machine cases.	3	105,770	22,624
170	Sewing machine repairing.	6	2,215	2,021
171	Sewing machines and attachments.	8	739,710	131,302
172	Shipbuilding.	10	638,430	11,723
173	Shirts.	43	1,163,885	70,216
174	Shoddy.	3	110,027	11,010
175	Show cases.	10	330,826	30,095
176	Silk and silk goods.	10	422,066	35,761
177	Silversmithing.	4	35,800	7,369
178	Slaughtering and meat packing, wholesale.	60	40,317,930	6,301,900
179	Slaughtering, wholesale, not including meat packing.	21	489,185	71,716
180	Smelting and refining.	7	321,100	80,972
181	Soap and candles.	35	4,743,050	652,207

## MANUFACTURES.

733

BY SPECIFIED INDUSTRIES : 1890—Continued.

## ILLINOIS—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.									
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Piccworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.		
1,947	\$1,100,022	83	\$104,004	1,720	\$1,018,534	135	\$67,784	\$5,770,146	\$8,240,603
928	371,503	50	44,682	802	324,771	7	2,050	229,887	904,429
1,623	825,140	24	55,280	890	760,360			3,918,106	51,096,737
2,943	2,056,820	321	537,320	2,618	1,516,809	4	2,640	4,027,034	13,664,040
680	411,826	50	79,011	630	352,815			300,740	951,785
144	87,752	60	47,021	71	39,007	4	1,724	84,270	242,632
1,650	825,010	175	151,748	1,329	601,513	146	71,758	1,070,252	2,584,604
4,314	1,147,784	280	120,509	3,090	1,010,787	68	16,398	2,893,084	5,090,940
9,517	5,649,437	588	927,288	8,701	4,880,037	228	142,112	11,712,229	20,408,003
556	380,332	45	65,480	511	323,852			3,383,765	4,802,059
326	226,736	24	20,310	202	178,426	40	30,000	246,612	582,260
1,663	1,925,748	142	160,108	1,516	1,159,565	5	8,075	1,614,104	3,853,804
8,208	5,214,878	381	410,142	7,769	4,750,468	58	48,268	8,791,753	15,792,212
720	411,600	100	115,330	384	204,154	233	92,215	1,315,780	2,184,507
553	230,204	32	40,724	281	122,260	240	61,220	280,548	604,030
1,944	852,810	581	360,783	1,338	487,457	25	4,570	1,507,772	3,177,757
522	283,014	115	95,077	403	186,537	4	1,400	284,006	1,123,358
301	267,862	39	39,512	312	107,150	40	31,200	226,198	578,338
200	148,302	45	39,474	153	107,402	2	1,456	53,024	286,244
633	418,282	148	131,806	455	271,741	30	14,735	610,626	1,424,072
14	7,936	5	3,904	9	3,072			16,516	30,975
205	114,072	17	12,048	150	78,702	38	28,022	75,493	280,900
1,483	820,731	82	78,652	576	338,770	825	412,300	1,112,007	2,700,889
459	249,002	17	19,016	303	188,136	49	41,340	352,222	755,450
220	124,908	20	38,383	103	80,025	1	500	2,397,787	2,901,104
23	18,246	9	9,240	14	0,000			215,135	260,750
210	170,414	34	57,908	185	112,446			1,314,300	1,864,800
85	50,057	22	20,201	41	24,102	22	14,064	81,810	183,000
4,334	2,865,063	734	920,325	3,447	2,144,245	153	101,393	2,170,648	6,201,553
837	605,405	200	245,634	626	358,715	2	1,146	3,149,007	4,037,454
705	355,138	37	30,256	757	315,532	1	350	581,320	1,407,280
413	234,614	114	105,772	278	122,010	21	5,032	432,370	1,529,743
1,009	1,019,216	83	96,757	1,886	952,450			2,182,038	3,872,013
156	68,462	21	10,146	135	52,316			114,170	310,050
880	502,052	207	202,403	546	283,480	46	17,000	412,022	1,448,462
150	111,374	23	28,040	124	80,034	3	1,500	80,395	246,300
376	176,577	69	67,463	304	108,074	8	1,050	685,136	1,146,136
32	11,497	5	3,333	15	4,540	12	3,024	4,463	21,050
786	526,002	136	112,081	040	407,762	10	5,619	515,242	1,220,182
770	430,801	68	52,670	486	258,421	225	128,710	438,114	1,270,322
3,007	2,223,007	405	462,421	3,561	1,759,556	8	1,030	3,182,222	6,455,007
7,515	4,682,742	982	1,067,861	5,907	3,944,973	626	269,908	4,800,914	14,555,068
57	39,554	37	28,160	14	6,808	6	4,406	37,080	157,000
9,502	6,431,070	1,827	1,733,818	6,320	3,065,517	1,346	1,031,744	4,000,023	17,348,845
329	103,880	36	43,978	85	59,102	208	69,800	113,398	430,400
271	150,070	43	44,810	217	108,080	11	6,180	367,145	638,600
123	62,294	23	21,038	100	30,356			43,880	116,000
178	78,576	14	18,840	104	64,736			61,248	186,060
940	613,882	120	115,105	814	496,727	6	2,050	1,443,986	2,500,133
126	52,805	22	10,440	49	21,845	54	11,610	103,877	215,178
2,284	1,103,001	638	421,891	1,400	658,772	237	113,058	1,702,748	3,647,434
50	30,125	14	12,005	42	18,120			182,808	247,600
97	70,906	17	18,544	80	52,302			158,104	279,216
103	69,730	14	11,770	40	25,350	49	32,601	45,572	153,547
240	122,583	4	4,500	211	102,483	25	15,600	120,200	300,074
8	4,338	4	2,604	3	1,214	1	520	1,050	10,200
690	370,553	85	32,142	470	260,000	185	84,411	366,836	1,010,908
331	187,021	16	16,155	315	171,866			148,127	421,815
1,488	606,967	65	60,804	1,040	412,972	374	132,501	970,175	1,080,625
114	36,254	4	6,500	80	23,274	30	0,480	103,722	182,110
408	261,276	35	30,640	358	210,036	15	11,700	287,630	710,025
805	295,636	49	54,314	684	217,172	72	24,150	314,855	735,845
50	31,322	6	6,474	44	24,848			64,880	184,924
18,178	11,008,871	938	1,027,801	16,184	9,553,299	1,050	487,771	108,934,270	200,414,581
738	618,584	46	50,568	605	440,440	27	18,528	10,060,642	11,876,851
137	93,733	23	28,694	114	65,039			1,072,155	1,356,200
1,108	644,151	172	186,018	983	446,267	43	11,806	7,455,241	9,857,550

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
ILLINOIS—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
182	Sporting goods.....	5	\$171,725	\$7,045
183	Springs, steel, car and carriage.....	6	1,003,282	32,442
184	Stamped ware.....	5	332,075	9,879
185	Stationery goods, not elsewhere specified.....	7	147,150	6,512
186	Steam fittings and heating apparatus.....	21	2,740,435	352,251
187	Stencils and brands.....	8	42,772	8,729
188	Stereotyping and electrotyping.....	6	200,750	20,483
189	Sugar and molasses, refining.....	36	800,207	39,082
190	Surgical appliances.....	10	97,050	40,001
191	Tinware products, not manufactured at mill.....	6	38,050	8,180
192	Tinsmithing, coppersmithing, and sheet-iron working.....	600	3,829,207	284,723
193	Tobacco, chewing, smoking, and snuff.....	15	941,620	727,485
194	Tobacco, cigars and cigarettes.....	715	8,209,001	770,271
195	Tools, not elsewhere specified.....	29	227,852	11,000
196	Toys and games.....	3	16,031	764
197	Trunks and valises.....	20	400,400	27,108
198	Type founding.....	3	438,545	27,900
199	Umbrellas and canes.....	16	23,120	7,008
200	Upholstery materials.....	3	66,101	6,057
201	Varnish.....	10	1,270,571	90,129
202	Vinegar and cider.....	41	707,848	44,607
203	Washing machines and clothes wringers.....	6	7,519	852
204	Watch cases.....	3	118,293	7,415
205	Watch, clock, and jewelry repairing.....	325	434,713	32,782
206	Watches.....	4	6,170,484	310,111
207	Windmills.....	14	289,080	10,207
208	Window shades.....	18	217,570	32,341
209	Wirework, including wire rope and cable.....	66	1,114,470	104,445
210	Wood, turned and carved.....	38	188,008	26,769
211	Woollen goods.....	23	1,049,018	110,159
212	All other industries (a).....	109	7,153,145	610,798

(a) Embraces ammunition, 2; artists' materials, 2; bags, paper, 2; bellows, 1; bells, 2; belting and hose, rubber, 1; bicycle and tricycle repairing, 1; bone, ivory, and lamp black, 1; boot and shoe findings, 1; bronze castings, 1; carpets, wood, 1; china, decorating, 2; cigar molds, 1; clocks, 1; clothing, horse, 2; coke, 2; cordials and sirups, 1; crucibles, 1; dentists' materials, 2; drug grinding, 1; emery wheels, 1; enameled goods, 1; envelopes, 3; files, 2; fireworks, 1; foundry supplies, 1; furs, dressed, 1; gas stoves, 2; glue, 1; gold and silver, reducing and refining, not from the ore, 1; high explosives, 1; ink, printing, 2; iron and steel, bolts, nuts, washers, and rivets, 2; iron and steel, doors and shutters, 1; iron and steel, pipe, wrought, 2; ivory and bone work, 2; japanning, 2; jewelry and instrument cases, 2; kaolin and other earth grinding, 2;

#### INDIANA.

		12,354	131,605,360	16,500,003
1	All industries .....			
2	Agricultural implements.....	54	6,842,450	629,381
3	Awnings, tents, and sails.....	4	9,784	3,100
4	Bagging, flax, hemp, and jute.....	3	330,087	5,804
5	Baking and yeast powders.....	9	38,050	4,781
6	Baskets and rattan and willow ware.....	9	15,700	2,163
7	Bolting and hose, leather.....	3	58,100	2,015
8	Bicycle and tricycle repairing.....	3	1,480	304
9	Blacksmithing and wheelwrighting.....	1,211	1,005,140	64,344
10	Bookbinding and blank-book making.....	12	121,210	10,406
11	Boots and shoes, custom work and repairing.....	607	385,344	52,509
12	Boots and shoes, factory product.....	6	98,005	3,708
13	Bottling.....	13	130,800	6,032
14	Boxes, cigar.....	5	18,420	1,460
15	Boxes, fancy and paper.....	8	27,400	2,584
16	Boxes, wooden packing.....	9	85,185	5,109
17	Brass castings and brass finishing.....	5	22,304	3,518
18	Bread and other bakery products.....	204	795,325	84,300
19	Brick and tile.....	704	3,181,744	175,084
20	Brooms and brushes.....	59	100,017	9,040
21	Carpentering.....	521	1,101,473	727,480
22	Carpets, rag.....	20	11,060	2,034
23	Carriage and wagon materials.....	38	1,026,476	100,748
24	Carriages and wagons, including custom work and repairing.....	304	10,458,432	520,414
25	Cars and general shop construction and repairs by steam railroad companies.....	48	3,920,806	.....
26	Cars, steam railroad, not including operations of railroad companies.....	4	5,100,706	150,782

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## ILLINOIS—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.									
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.		
153	\$70,182	8	\$11,902	125	\$50,300	20	\$7,920	\$88,216	\$218,000 182
381	261,182	22	20,080	359	232,102	-----	-----	453,542	906,937 183
474	183,919	22	25,509	127	69,320	325	89,024	222,431	451,100 184
68	52,776	18	20,980	46	30,040	4	1,750	44,856	121,300 185
2,321	1,325,099	258	265,293	1,871	991,336	102	68,470	1,592,054	4,040,388 186
70	57,336	14	14,800	62	42,470	-----	-----	23,118	110,200 187
265	107,940	22	38,013	243	120,327	-----	-----	85,705	307,000 188
380	171,685	62	59,447	313	109,403	11	2,835	2,649,736	8,008,358 189
141	103,788	49	44,310	85	56,100	7	3,276	138,406	300,300 190
58	11,340	3	1,000	52	10,040	3	300	13,706	44,215 191
3,580	2,010,079	500	486,786	2,887	1,401,011	112	61,082	3,242,978	8,227,538 192
048	274,700	56	74,258	588	190,104	4	1,248	727,314	2,027,153 193
4,827	2,405,563	730	533,204	1,476	601,205	2,021	1,271,154	2,804,528	6,942,185 194
257	140,503	42	34,686	213	113,059	2	1,248	58,386	200,730 195
35	12,102	2	3,000	17	4,200	16	4,992	18,040	44,223 196
917	186,585	45	40,103	272	140,482	-----	-----	177,750	443,057 197
195	102,800	20	32,500	19	9,200	150	121,040	406,240	705,000 198
29	16,418	17	11,066	12	5,322	-----	-----	19,730	54,095 199
108	45,506	5	2,940	56	23,066	47	10,500	78,338	153,150 200
189	102,464	66	110,070	122	81,904	1	400	803,078	1,200,810 201
200	150,097	71	68,003	218	87,904	1	10	441,011	810,150 202
30	15,270	12	7,820	16	7,200	2	250	8,907	28,021 203
71	40,702	11	10,016	60	30,746	-----	-----	19,706	79,270 204
652	431,150	253	180,589	395	243,011	4	1,550	161,790	875,637 205
3,099	2,180,326	18	21,200	1,276	774,947	2,705	1,393,170	514,148	3,048,600 206
301	165,347	37	22,018	203	143,200	1	60	201,302	457,228 207
121	70,952	20	23,180	84	45,492	11	8,300	321,048	532,710 208
039	927,817	98	86,054	482	215,003	59	25,470	1,170,702	1,058,636 209
300	174,692	49	44,523	244	127,230	7	2,030	121,610	401,300 210
914	813,780	49	40,783	823	263,330	42	9,058	780,310	1,200,500 211
4,501	2,403,208	375	420,866	8,816	1,024,287	810	115,205	11,125,001	15,428,884 212

kindling wood, 1; lapidary work, 1; lasts, 2; leather, dressed skins, 1; liquors, vinous, 2; mats and matting, 1; nets and seines, 1; oil, castor, 1; oil, resin, 1; paper goods, not elsewhere specified, 1; paper patterns, 2; pens, fountain and stylographic, 1; photographic apparatus, 2; photographic materials, 2; plated and britannia ware, 2; pocket-books, 2; pulp goods, 1; racking hose, 1; registers, car fare, 1; registers, cash, 1; rules, ivory and wood, 2; safes and vaults, 1; salt, 1; screws, machine, 1; starch, 1; steam packing, 2; taxidermy, 2; tinfoil, 1; typewriters and supplies, 1; vault lights and ventilators, 4; watch and clock materials, 1; whips, 2; wire, 1; woodenware, not elsewhere specified, 2; zinc, 2.

## INDIANA.

124,340	51,740,076	18,750	0,172,718	92,405	35,878,503	18,125	6,703,665	180,110,106	220,825,082	1
3,304	1,705,037	310	924,221	2,143	945,057	935	496,350	2,300,300	5,750,131	2
21	9,200	6	4,814	15	4,386	-----	-----	11,457	20,545	3
372	103,583	7	6,081	365	96,902	-----	-----	313,126	497,653	4
37	17,138	9	5,854	28	11,284	-----	-----	49,897	100,200	5
78	27,371	10	6,405	37	12,770	31	8,100	13,110	46,020	6
17	13,090	7	5,450	10	8,540	-----	-----	60,548	98,100	7
10	5,000	5	2,184	5	2,015	-----	-----	1,045	6,900	8
1,808	785,870	1,050	493,300	714	277,504	44	14,976	428,565	1,587,702	9
135	57,658	16	15,048	112	41,110	7	1,500	56,607	142,700	10
1,014	419,770	515	229,121	201	111,795	208	78,803	288,427	888,504	11
180	67,205	13	10,120	158	51,000	15	5,380	90,157	179,036	12
73	39,046	15	13,414	58	26,532	-----	-----	183,320	221,008	13
50	14,080	6	4,570	37	7,084	7	1,820	18,783	39,600	14
114	20,403	6	8,625	56	15,020	52	7,200	26,806	67,900	15
147	54,735	12	9,306	110	35,120	16	10,300	110,498	170,784	16
40	10,147	10	5,840	30	13,307	-----	-----	36,088	62,236	17
1,025	504,420	285	186,864	740	317,556	-----	-----	1,342,203	2,282,818	18
6,137	1,317,120	598	181,063	5,196	1,033,600	403	101,797	449,195	2,829,088	19
342	101,070	53	22,701	287	65,105	52	13,774	184,014	352,883	20
8,357	1,762,666	475	322,517	2,841	1,425,100	41	15,040	2,890,350	6,162,181	21
52	10,501	28	10,444	12	3,873	12	2,274	11,749	36,048	22
1,926	700,038	70	62,906	1,792	611,027	64	20,105	1,137,132	2,282,810	23
5,043	2,284,807	595	983,585	3,800	1,507,865	600	303,357	3,671,302	8,248,873	24
6,729	3,308,251	116	93,063	5,607	2,920,954	916	344,334	3,904,281	7,280,382	25
3,344	1,587,021	34	50,880	2,650	1,310,741	660	216,400	4,924,342	7,073,320	26

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
INDIANA—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
27	Cheese and butter, urban dairy product.....	3	\$0,925	\$1,105
28	Cheese, butter, and condensed milk, factory product.....	52	123,414	5,888
29	Chemicals .....	6	162,724	43,571
30	Clay and pottery products.....	20	266,020	18,508
31	Clothing, men's, custom work and repairing.....	346	1,278,051	124,870
32	Clothing, men's, factory product.....	22	1,115,210	120,820
33	Clothing, women's, dressmaking.....	434	171,874	44,181
34	Clothing, women's, factory product.....	3	18,360	1,188
35	Coffee and spice, roasting and grinding.....	12	485,235	16,825
36	Coffins and burial cases, trimming and finishing.....	39	90,222	5,710
37	Coffins, burial cases, and undertakers' goods.....	8	807,144	56,077
38	Coke.....	3	48,930	200
39	Confectionery .....	74	504,899	109,560
40	Cooperage .....	170	973,169	104,022
41	Corsets .....	4	23,510	1,200
42	Cotton goods .....	6	1,744,720	73,941
43	Cutlery and edge tools .....	14	235,166	15,078
44	Dentistry, mechanical .....	67	63,682	8,301
45	Druggists' preparations, not including prescriptions.....	4	4,075	562
46	Dyeing and cleaning .....	28	33,789	7,753
47	Electroplating.....	4	18,050	2,211
48	Engraving, wood .....	5	6,531	1,034
49	Fancy articles, not elsewhere specified.....	4	10,500	801
50	Fertilizers.....	5	88,120	7,215
51	Flouring and grist mill products .....	723	10,022,173	723,144
52	Foundry and machine shop products.....	206	9,163,357	490,140
53	Fruits and vegetables, canning and preserving.....	11	410,263	29,811
54	Furniture, cabinetmaking, repairing, and upholstering.....	90	142,132	13,059
55	Furniture, chairs .....	35	560,438	41,500
56	Furniture, factory product .....	100	5,247,154	447,072
57	Gas, illuminating and heating.....	33	3,014,226	110,120
58	Glass .....	21	3,550,503	360,384
59	Glue .....	3	93,815	10,350
60	Grease and tallow .....	8	37,433	5,534
61	Hairwork .....	4	2,065	1,000
62	Hand stamps .....	5	10,800	1,717
63	Hay and straw, baling .....	4	6,347	103
64	Hosiery and knit goods .....	9	710,989	70,437
65	House furnishing goods, not elsewhere specified.....	3	118,154	8,260
66	Ice, artificial .....	3	233,500	8,420
67	Iron and steel .....	10	2,335,116	141,600
68	Iron and steel, nails and spikes, cut and wrought, including wire nails .....	4	513,070	33,079
69	Ironwork, architectural and ornamental .....	19	413,292	15,129
70	Leather, tanned and curried .....	46	780,757	33,074
71	Lightning rods .....	3	157,594	5,526
72	Lime and cement .....	34	1,005,390	61,451
73	Liquors, distilled .....	17	1,020,825	4,721,735
74	Liquors, malt .....	37	4,589,030	1,203,239
75	Lock and gunsmithing .....	47	48,752	5,478
76	Looking-glass and picture frames .....	21	96,410	7,408
77	Lumber and other mill products from logs or bolts .....	1,003	11,238,573	610,250
78	Lumber, planing mill products, including sash, doors, and blinds .....	178	3,186,407	165,950
79	Marble and stone work .....	36	218,378	12,776
80	Masonry, brick and stone .....	185	423,722	48,606
81	Matresses and spring beds .....	18	50,078	3,415
82	Millinery, custom work .....	271	495,083	70,444
83	Mineral and soda waters .....	35	165,184	22,900
84	Models and patterns .....	6	6,570	1,080
85	Monuments and tombstones .....	108	354,243	28,519
86	Musical instruments and materials, not specified .....	4	117,145	25,550
87	Musical instruments, organs and materials .....	5	188,008	2,300
88	Musical instruments, pianos and materials .....	3	97,590	12,010
89	Oil, linseed .....	3	286,200	18,057
90	Painting and paper hanging .....	205	399,351	45,574
91	Paints .....	5	36,150	5,197

## MANUFACTURES.

737

BY SPECIFIED INDUSTRIES: 1890—Continued.

## INDIANA—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.									
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.		
25	\$10,822	4	\$2,860	16	\$7,402	5	\$500	\$39,926	\$64,750 27
187	70,747	32	14,327	147	52,420	8	4,000	209,589	402,560 28
138	85,902	23	35,115	113	50,115	2	672	161,631	337,298 29
350	165,164	32	90,787	286	119,052	41	15,325	65,456	313,421 30
2,408	1,213,022	328	250,046	623	205,302	1,457	607,314	1,270,690	3,008,316 31
1,915	518,098	71	70,890	353	126,047	1,521	321,161	1,611,258	2,570,170 32
1,630	408,520	418	180,240	1,144	218,023	74	9,057	400,330	980,700 33
50	13,944	5	2,004	10	4,600	35	7,280	15,157	34,600 34
124	76,704	43	43,520	78	32,074	3	600	1,337,090	1,623,010 35
50	36,465	41	27,903	18	8,502	.....	.....	115,449	180,508 36
387	100,706	42	36,570	310	145,386	29	17,840	234,104	501,700 37
22	8,164	.....	.....	18	6,900	4	1,264	20,133	25,922 38
812	392,902	103	110,422	518	194,908	131	27,572	1,035,506	1,807,782 39
2,149	848,043	131	83,107	1,000	408,357	909	350,579	1,729,147	2,958,197 40
26	7,736	5	4,068	18	3,267	3	400	4,550	23,000 41
1,325	932,076	16	22,334	1,176	285,442	133	24,900	910,500	1,350,425 42
199	113,074	18	16,350	142	77,042	39	19,682	68,700	244,975 43
80	41,751	70	38,311	10	3,440	.....	.....	21,698	81,334 44
9	4,322	6	3,230	3	1,002	.....	.....	5,286	10,460 45
60	45,015	25	10,081	73	27,984	1	50	19,030	70,612 46
24	11,372	3	2,456	20	8,812	1	104	7,005	24,510 47
19	11,971	5	4,821	14	7,150	.....	.....	1,070	15,800 48
35	10,898	3	4,418	20	5,000	6	520	13,850	33,000 49
23	14,592	6	7,130	20	9,462	.....	.....	156,945	216,812 50
3,610	1,606,892	855	520,078	2,737	1,008,273	48	17,941	20,003,127	31,239,027 51
6,417	3,246,485	513	481,242	5,441	2,652,571	463	211,672	4,018,700	9,542,400 52
2,020	181,098	31	10,705	873	87,513	1,116	83,420	581,015	885,145 53
234	108,945	80	49,088	130	50,187	18	9,000	99,887	271,400 54
1,181	374,811	63	52,554	665	238,400	463	83,767	292,875	810,805 55
5,305	2,380,793	337	280,815	4,061	1,003,488	907	436,400	3,002,204	8,842,845 56
334	201,035	55	56,023	270	145,012	.....	.....	170,023	873,750 57
3,089	1,514,831	70	75,082	2,034	605,151	976	803,998	865,374	2,005,400 58
66	29,944	5	0,900	61	23,044	.....	.....	65,500	181,722 59
36	19,009	0	7,349	27	11,750	.....	.....	48,518	79,281 60
13	4,056	4	1,040	9	2,110	.....	.....	2,504	9,378 61
17	8,575	3	2,780	13	5,545	1	250	3,644	10,370 62
16	3,527	4	0,027	12	2,900	.....	.....	10,380	19,250 63
962	207,510	27	20,721	206	75,207	600	102,501	408,195	827,104 64
90	33,220	9	7,720	81	25,500	.....	.....	54,271	123,200 65
77	31,650	5	3,700	72	27,850	.....	.....	13,025	98,178 66
1,816	927,011	52	78,123	1,764	348,888	.....	.....	1,871,365	3,063,858 67
635	175,048	11	12,070	624	102,978	.....	.....	488,372	695,083 68
400	208,842	51	41,573	338	157,569	11	0,700	284,383	650,076 69
357	173,380	30	28,764	281	118,300	40	26,250	911,834	1,241,306 70
48	20,263	10	7,020	34	10,083	4	1,060	67,908	120,157 71
807	272,055	30	24,014	703	246,601	0	1,150	235,914	778,212 72
195	83,813	28	22,704	167	61,100	.....	.....	711,111	5,846,129 73
986	702,005	121	186,298	805	516,307	.....	.....	1,144,002	3,837,844 74
66	31,037	45	22,680	21	8,351	.....	.....	9,000	56,848 75
134	62,015	20	16,775	107	45,090	1	150	62,102	177,300 76
15,822	4,773,752	1,337	581,018	13,631	8,888,000	854	304,728	10,568,376	19,004,203 77
2,381	1,190,112	250	192,738	2,090	993,257	32	10,117	2,722,702	4,787,974 78
340	187,473	47	38,394	203	149,079	.....	.....	223,602	508,922 79
1,877	1,025,812	185	143,051	1,601	882,561	1	200	1,348,792	2,716,977 80
110	38,610	17	10,152	76	22,334	17	6,124	50,735	120,773 81
927	270,355	250	119,403	603	149,424	5	1,528	658,591	1,178,410 82
137	60,773	41	27,631	95	32,812	1	400	46,511	174,133 83
15	9,583	6	5,088	0	4,495	.....	.....	2,484	15,280 84
400	220,010	110	74,814	278	145,390	3	700	353,253	780,250 85
109	60,101	13	7,070	65	33,931	31	18,500	25,678	136,036 86
47	27,700	7	6,300	38	19,300	2	2,100	32,150	102,570 87
134	65,992	9	7,950	33	26,218	92	31,824	84,703	170,805 88
53	34,500	11	16,150	40	17,060	2	750	547,319	638,938 89
1,313	724,010	261	171,268	924	483,079	128	69,605	528,757	1,506,684 90
41	16,301	7	2,263	34	14,128	.....	.....	99,190	180,075 91

## COMPENDIUM OF THE ELEVENTH CENSUS: 1890.

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
INDIANA—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
92	Paper.....	22	\$1,307,865	\$111,071
93	Patent medicines and compounds.....	38	169,968	51,304
94	Paving and paving materials.....	21	123,310	8,692
95	Photography.....	131	188,322	38,703
96	Pickles, preserves, and sauces.....	5	15,625	1,268
97	Plastering and stucco work.....	78	52,470	6,064
98	Plumbing and gas fitting.....	88	403,437	35,717
99	Printing and publishing, book and job.....	73	762,442	60,897
100	Printing and publishing, newspapers and periodicals.....	505	2,506,675	540,595
101	Pulp, wood.....	7	205,470	22,061
102	Pumps, not including steam pumps.....	27	306,070	22,679
103	Roofing and roofing materials.....	106	283,032	23,740
104	Saddlery and harness.....	387	1,221,882	74,518
105	Scales and balances.....	3	16,050	840
106	Sewing machine repairing.....	3	925	185
107	Shipbuilding.....	11	371,860	7,722
108	Shirts.....	12	182,114	6,070
109	Slaughtering and meat packing, wholesale.....	13	1,094,280	150,369
110	Slaughtering, wholesale, not including meat packing.....	9	3,651,975	1,297,844
111	Soap and candles.....	13	180,550	13,608
112	Springs, steel, car and carriage.....	3	103,649	8,800
113	Starch.....	8	894,800	71,732
114	Stationery goods, not elsewhere specified.....	4	35,601	2,804
115	Steam fittings and heating apparatus.....	5	142,400	6,064
116	Sugar and molasses, refining.....	42	45,998	3,088
117	Timber products, not manufactured at mill.....	30	148,807	12,862
118	Tinsmithing, coppersmithing, and sheet-iron working.....	247	839,912	51,232
119	Tobacco, cigars, and cigarettes.....	340	732,740	248,310
120	Tools, not elsewhere specified.....	5	37,425	800
121	Trunks and valises.....	8	23,520	5,903
122	Umbrellas and canes.....	4	1,515	549
123	Upholstery materials.....	8	83,203	6,446
124	Varnish.....	3	188,858	39,717
125	Vinegar and cider.....	35	60,740	2,853
126	Washing machines and clothes wringers.....	10	152,980	8,458
127	Watch, clock, and jewelry repairing.....	104	126,760	19,308
128	Windmills.....	10	543,045	42,960
129	Window shades.....	4	6,040	304
130	Wirework, including wire rope and cable.....	18	180,931	41,073
131	Wood, turned and carved.....	23	917,484	36,727
132	Woodenware, not elsewhere specified.....	5	182,250	12,208
133	Woolen goods.....	45	2,880,114	232,105
134	All other industries (a).....	75	3,406,791	280,194

*a* Embraces artificial limbs, 2; artists' materials, 1; bellows, 1; bolls, 1; bicycles and tricycles, 1; bluing, 2; boot and shoe uppers, 2; bridges, 2; cars and general shop construction and repairs by street railroad companies, 1; cleansing and polishing preparations, 1; clothing, horses, 1; electrical apparatus and supplies, 2; engraving and dieinking, 1; felt goods, 1; files, 1; flavoring extracts, 2; food preparations, 2; furnishing goods, men's, 2; gas and lamp fixtures, 1; gas machines and meters, 1; glass, cutting, staining, and ornamenting, 1; gloves and mittens, 2; hardware, 1; hats and caps, not including wool hats, 1; instruments, professional and scientific, 1; iron and steel, bolts, nuts, washers, and rivets, 2; jewelry, 2; liquors,

## INDIAN TERRITORY.

1	All industries .....	20	204,329	11,590
2	Lumber and other mill products from logs or bolts .....	3	16,000	1,000
3	Printing and publishing, newspapers and periodicals.....	8	23,700	3,245
4	All other industries (a) .....	9	104,539	7,315

*a* Embraces brick and tile, 1; cars and general shop construction and repairs by steam railroad companies, 2; coke, 1; cotton, ginning, 2; flouring and grist mill products, 2; lumber, planing mill products, including sash, doors, and blinds, 1.

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## INDIANA—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
718	\$323,356	39	\$37,831	668	\$288,932	13	\$3,593	\$809,400	\$1,588,705	92
280	116,066	55	42,112	143	49,020	82	25,525	139,061	450,644	93
285	88,171	22	10,570	250	25,061	4	2,540	118,222	276,744	94
324	196,477	143	117,563	174	79,393	7	2,521	100,755	424,359	95
31	9,464	5	2,656	26	6,808	.....	.....	28,280	44,730	96
412	210,923	68	46,052	339	103,271	5	1,000	145,840	429,000	97
778	427,513	120	97,068	652	327,770	6	1,775	664,270	1,305,985	98
893	403,207	116	112,088	761	348,504	16	7,845	369,580	1,050,062	99
3,251	1,631,819	623	488,436	2,308	986,042	320	186,741	774,420	8,589,519	100
136	57,050	10	7,590	126	49,520	.....	.....	63,830	187,311	101
213	101,936	45	33,072	162	67,227	6	1,037	182,978	421,870	102
427	232,249	88	60,264	339	171,085	.....	.....	371,596	720,885	103
1,494	614,901	317	181,156	780	314,450	388	110,340	901,280	1,067,951	104
19	15,136	6	6,074	13	8,462	.....	.....	3,748	20,840	105
4	1,484	2	820	2	684	.....	.....	570	2,350	106
551	253,733	8	6,704	543	246,030	.....	.....	204,220	551,040	107
678	186,202	17	11,346	82	34,352	579	140,504	253,711	518,015	108
1,173	522,042	63	46,810	1,003	470,007	17	4,550	5,878,018	6,024,801	109
1,076	636,021	70	92,740	907	542,881	.....	.....	18,546,552	20,089,030	110
119	56,400	30	26,494	81	28,700	2	200	198,097	326,202	111
91	47,958	9	7,378	27	13,800	55	26,780	79,015	170,006	112
690	251,740	32	33,045	632	213,000	26	5,035	1,002,221	1,580,543	113
58	16,743	8	5,520	46	10,017	4	600	37,008	65,057	114
87	51,866	10	13,848	77	38,048	.....	.....	43,079	127,400	115
156	14,721	31	5,542	125	9,179	.....	.....	100,204	200,302	116
547	108,307	11	4,905	353	115,522	183	47,940	50,525	313,730	117
936	433,200	207	125,448	670	293,133	59	14,700	671,594	1,491,306	118
1,595	683,183	304	173,684	367	110,506	924	308,993	671,665	1,835,712	119
44	21,964	6	4,900	24	10,046	14	6,418	11,310	30,800	120
47	27,202	8	8,980	32	16,512	7	1,710	24,785	68,925	121
6	2,237	2	1,400	4	807	.....	.....	4,887	7,700	122
93	44,816	11	10,270	73	27,544	9	6,502	78,813	101,042	123
35	33,040	11	10,100	24	17,840	.....	.....	154,075	290,401	124
119	17,321	22	5,567	97	11,764	.....	.....	48,503	92,892	125
178	80,185	31	17,829	119	50,216	28	12,140	131,293	204,130	126
262	143,161	113	64,186	144	70,850	5	2,125	51,454	207,634	127
196	104,359	34	24,700	152	73,710	10	5,940	201,710	517,714	128
9	3,520	.....	9	8,520	.....	.....	.....	6,500	11,500	129
91	30,381	22	10,702	64	22,470	5	200	218,380	320,785	130
609	288,045	32	23,001	535	245,863	42	18,221	361,380	913,524	131
206	118,385	10	16,050	223	81,115	33	19,200	100,135	324,793	132
2,103	600,002	100	86,320	1,634	430,568	363	83,105	1,850,809	2,989,182	133
3,016	1,390,433	168	171,052	2,300	1,020,561	458	107,020	2,010,211	5,344,100	134

vinous, 1; malt, 2; mats and matting, 1; millinery and lace goods, 1; mucilage and pasta, 1; oil, essential, 1; optical goods, 2; paper goods, not elsewhere specified, 1; perfumery and cosmetics, 2; photographic materials, 1; printing and publishing, music, 1; refrigerators, 2; regalia and society banners and emblems, 1; rubber and elastic goods, 1; sausages, 1; saws, 2; sewing machine cases, 2; show cases, 1; soda water apparatus, 2; stamped ware, 1; stereotyping and electrotyping, 1; surgical appliances, 2; tobacco, chewing, smoking, and snuff, 1; tobacco, steaming and rehandling, 1; toys and games, 2; wheelbarrows, 2; wire, 1.

## INDIAN TERRITORY.

175	70,830	8	6,608	156	68,472	11	4,760	127,864	248,932	1
30	12,800	1	1,000	38	11,800	.....	.....	23,000	41,950	2
23	9,828	1	300	22	9,528	.....	.....	6,811	26,012	3
113	57,202	6	5,308	96	47,144	11	4,760	97,163	180,070	4

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,

## IOWA.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
1	All industries .....	7,440	\$77,513,097	\$5,732,206
2	Agricultural implements .....	34	2,181,101	102,182
3	Awnings, tents, and sails .....	5	13,295	2,063
4	Bags, other than paper .....	3	69,085	1,724
5	Baking and yeast powders .....	3	6,307	504
6	Blacksmithing and wheelwrighting .....	936	1,065,339	65,701
7	Bookbinding and blank-book making .....	12	46,525	5,446
8	Boots and shoes, custom work and repairing .....	277	205,022	24,434
9	Boots and shoes, factory product .....	6	435,066	10,300
10	Bottling .....	5	833,300	14,249
11	Boxes, cigar .....	4	25,625	1,206
12	Boxes, fancy and paper .....	6	24,845	1,134
13	Boxes, wooden packing .....	10	173,980	14,887
14	Bread and other bakery products .....	124	914,153	81,645
15	Brick and tile .....	200	1,802,042	84,811
16	Bridges .....	9	260,047	23,221
17	Brooms and brushes .....	39	87,874	9,624
18	Carpentering .....	431	1,212,591	240,807
19	Carpets, rug .....	35	22,857	1,568
20	Carriage and wagon materials .....	5	15,196	7,000
21	Carriages and wagons, including custom work and repairing .....	294	2,765,207	142,236
22	Cars and general shop construction and repairs by steam railroad companies .....	41	2,404,648	300
23	Cheese and butter, urban dairy product .....	3	17,000	1,605
24	Cheese, butter, and condensed milk, factory product .....	497	2,074,177	121,160
25	Clay and pottery products .....	29	311,921	24,123
26	Clothing, men's, custom work and repairing .....	205	780,976	80,900
27	Clothing, men's, factory product .....	7	436,900	68,804
28	Clothing, women's, dressmaking .....	213	107,014	23,075
29	Coffee and spice, roasting and grinding .....	8	266,164	35,048
30	Coffins and burial cases, trimming and finishing .....	5	42,525	1,311
31	Coffins, burial cases, and undertakers goods .....	3	127,130	10,637
32	Confectionery .....	32	207,852	50,348
33	Cooperage .....	91	351,263	22,258
34	Cortago and twine .....	4	23,250	1,030
35	Cutlery and edge tools .....	6	101,548	5,449
36	Dentistry, mechanical .....	53	70,001	9,730
37	Druggists' preparations, not including prescriptions .....	11	37,650	6,013
38	Dyeing and cleaning .....	19	27,075	10,849
39	Fancy articles, not elsewhere specified .....	3	4,375	723
40	Flouring and grist mill products .....	441	6,000,750	363,000
41	Food preparations .....	8	579,866	35,700
42	Foundry and machine shop products .....	126	3,032,277	172,788
43	Fruits and vegetables, canning and preserving .....	17	416,258	51,943
44	Fur goods .....	4	44,050	1,291
45	Furniture, cabinet making, repairing and upholstering .....	61	333,176	29,822
46	Furniture, factory product .....	21	764,423	39,701
47	Gas, illuminating and heating .....	10	2,127,007	70,380
48	Gloves and mittens .....	8	72,900	7,012
49	Grease and tallow .....	9	37,700	2,709
50	Hairwork .....	9	4,035	2,331
51	Hand stamps .....	6	8,415	642
52	Hats and caps, not including wool hats .....	3	12,250	1,953
53	Hay and straw, baling .....	5	13,703	4,761
54	Hosiery and knit goods .....	3	8,050	410
55	Iron work, architectural and ornamental .....	15	148,594	9,171
56	Jewelry .....	3	3,760	552
57	Lime and cement .....	23	217,305	11,205
58	Liquors, malt .....	18	1,057,292	190,124
59	Lock and gun smithing .....	10	57,123	5,038
60	Looking-glass and picture frames .....	8	6,440	2,171
61	Lumber and other mill products from logs or bolts .....	137	17,487,825	633,907
62	Lumber, planing mill products, including sash, doors, and blinds .....	46	3,044,145	182,242
63	Malt .....	6	161,019	11,614
64	Marble and stone work .....	25	79,887	8,370
65	Masonry, brick and stone .....	137	485,190	30,177
66	Mattresses and spring beds .....	11	150,075	17,702

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## IOWA.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.									Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.		
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
50,174	\$25,878,997	8,187	\$5,440,377	46,240	\$18,743,380	4,707	\$1,080,240	\$70,202,407	\$125,040,183	
803	419,249	100	102,990	782	313,053	5	3,200	589,713	1,570,872	
20	8,670	5	3,030	15	5,040			16,100	30,188	
39	15,378	5	4,900	19	6,102	15	4,286	211,830	251,155	
11	3,080	8	3,380	3	600			16,610	33,093	
1,484	674,047	838	401,735	626	208,307	20	4,875	413,781	1,448,978	
55	21,786	10	6,508	39	13,588	6	1,000	17,212	60,900	
304	169,940	102	83,615	153	67,402	49	18,833	111,655	358,752	
319	135,850	27	25,750	206	82,387	86	27,713	286,716	574,378	
56	27,081	3	2,724	53	24,357			186,698	284,045	
50	17,107	5	4,070	25	7,347	26	5,000	41,083	60,050	
65	13,516	3	1,804	29	6,072	33	5,040	11,085	30,300	
260	80,335	25	13,250	180	61,085	55	5,400	208,270	390,490	
804	410,450	209	159,112	588	249,988	7	1,350	1,326,901	2,132,888	
2,742	707,308	199	78,786	2,396	500,009	147	38,570	282,431	1,537,890	
312	150,480	31	34,583	281	124,906			283,082	512,720	
286	91,023	41	18,371	125	38,000	120	35,153	154,025	390,047	
2,301	1,202,605	403	245,353	1,975	1,048,407	13	3,745	2,565,604	4,864,407	
48	15,530	31	11,349	16	3,081	1	200	15,427	37,340	
16	8,073	3	1,017	13	6,450			19,181	50,550	
1,922	982,527	320	212,604	1,537	744,254	65	25,060	1,440,022	3,168,645	
3,803	2,187,136	81	65,312	3,812	2,121,824			2,244,274	4,473,080	
33	9,700			33	9,700			40,375	60,500	
2,545	1,032,790	100	87,004	2,334	941,780	21	3,115	8,960,080	10,516,182	
270	119,613	34	23,202	218	84,173	27	12,238	49,902	237,275	
1,258	698,813	181	196,700	480	254,277	507	304,836	702,531	1,681,294	
574	150,021	21	17,080	102	51,471	301	81,470	430,202	734,245	
723	173,901	101	72,471	623	98,755	9	1,075	240,080	529,854	
62	45,574	28	20,310	90	15,064	4	600	624,088	731,724	
11	5,073	7	3,973	4	1,700			8,205	24,248	
100	49,358	9	11,450	82	20,868	18	8,040	66,498	140,100	
291	124,563	53	41,032	233	81,191	5	2,340	833,130	648,507	
500	248,708	68	34,264	162	72,248	340	142,206	405,250	838,870	
29	10,792	4	2,320	23	7,972	2	500	14,460	35,818	
83	31,300	9	6,622	18	5,987	56	18,700	21,008	68,520	
63	42,074	53	37,770	10	5,105			10,422	90,126	
37	21,302	18	11,264	10	10,038			20,424	74,520	
76	36,221	18	12,753	55	22,448	3	1,020	12,257	74,546	
11	3,478	3	1,408	8	2,010			3,425	8,215	
1,749	788,872	501	281,458	1,215	501,870	33	5,535	0,780,174	11,833,737	
177	77,018	30	18,254	118	53,527	20	5,837	700,730	900,811	
2,876	1,280,570	234	229,864	1,095	985,357	147	81,358	1,454,164	3,432,300	
1,636	91,497	55	7,573	748	69,560	833	23,355	294,817	521,711	
27	7,452	3	2,130	24	5,322			20,800	32,850	
183	92,273	53	32,300	126	50,317	4	650	130,019	293,725	
652	270,920	62	48,017	529	200,807	61	31,105	324,876	760,420	
140	83,508	28	23,107	112	60,431			104,205	392,000	
99	35,225	18	9,342	73	24,083	8	900	52,305	128,800	
36	19,118	10	5,800	26	13,312			94,791	186,008	
19	5,340	7	2,844	12	2,605			4,735	16,112	
12	7,147	6	4,122	6	3,025			5,312	14,475	
23	8,900	2	1,500	21	7,400			4,859	21,870	
43	8,810	1	260	42	8,550			35,090	65,050	
9	2,550	2	820	7	1,730			1,975	5,763	
130	83,620	21	22,170	108	61,100	1	350	99,032	238,550	
10	9,100	4	4,500	6	4,600			11,620	21,307	
314	105,352	11	6,365	285	69,725	18	6,265	87,012	284,897	
207	136,750	52	47,070	155	88,786			204,026	786,585	
31	16,604	21	11,980	10	4,681			9,047	36,300	
18	9,273	12	6,213	6	3,000			15,275	28,344	
7,011	2,153,582	204	216,014	6,476	1,860,714	241	40,854	7,945,631	11,829,065	
2,005	940,911	112	115,476	1,954	800,433	20	10,002	2,002,125	3,588,856	
53	22,515	7	6,175	40	16,340			150,778	226,477	
178	93,070	24	16,623	154	77,053			116,077	268,008	
1,576	822,095	157	105,508	1,410	716,372	3	215	1,184,560	2,203,253	
207	79,521	15	11,320	146	52,451	46	15,750	257,252	426,450	

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
IOWA—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establish- ments report- ing.	Capital.	Miscellane- ous expenses.
67	Millinery, custom work.	141	\$300,255	\$57,447
68	Mineral and soda waters.	33	190,000	21,005
69	Models and patterns.	7	11,005	1,414
70	Monuments and tombstones.	70	340,320	35,321
71	Oil, linseed.	7	1,531,465	201,242
72	Painting and paper hanging.	132	210,861	23,431
73	Paints.	3	40,000	1,061
74	Paper.	7	324,498	18,285
75	Patent medicines and compounds.	20	253,527	37,716
76	Paving and paving materials.	17	84,010	9,803
77	Photography.	94	175,513	20,788
78	Pickles, preserves, and sauces.	9	340,180	33,143
79	Plastering and stuccowork.	58	45,413	4,063
80	Plumbing and gas fitting.	54	455,074	38,304
81	Printing and publishing, book and job.	50	682,720	74,085
82	Printing and publishing, newspapers and periodicals.	643	3,501,710	547,400
83	Pumps, not including steam pumps.	5	141,605	10,007
84	Roofing and roofing materials.	27	112,275	8,453
85	Saddlery and harness.	305	1,430,032	91,320
86	Scales and balances.	3	5,825	720
87	Shipbuilding.	5	38,860	3,007
88	Shirts.	3	6,074	1,280
89	Show cases.	3	11,708	1,359
90	Slaughtering and meat packing, wholesale.	25	4,105,020	452,147
91	Slaughtering, wholesale, not including meat packing.	4	380,000	74,618
92	Soap and candles.	10	218,775	11,072
93	Starch.	4	181,800	50,085
94	Steam fittings and heating apparatus.	6	307,002	15,444
95	Sugar and molasses, refining.	14	1,097,685	50,101
96	Timber products, not manufactured at mill.	6	42,510	5,803
97	Tinsmithing, coppersmithing, and sheet-iron working.	222	624,417	51,135
98	Tobacco, cigars, and cigarettes.	201	986,271	213,312
99	Trunks and valises.	8	34,800	4,800
100	Vinegar and cider.	8	184,402	6,061
101	Washing machines and clothes wringers.	8	95,810	7,210
102	Watch, clock, and jewelry repairing.	107	95,720	17,321
103	Windmills.	7	63,828	7,522
104	Wirework, including wire rope and cable.	17	65,507	4,674
105	Wood, turned and carved.	6	30,200	706
106	Woolen goods.	14	694,600	40,056
107	All other industries (a).	65	1,010,191	201,138

a Embraces artificial limbs, 1; boot and shoe uppers, 2; brass castings and brass finishing, 1; carriages and sleds, children's, 1; cars and general shop construction and repairs by street railroad companies, 1; chemicals, 1; cigar molds, 2; clocks, 1; clothing, women's, factory product, 1; cordials and syrups, 1; corsets, 1; cotton goods, 2; dentists' materials, 2; dyeing and finishing textiles, 1; electroplating, 1; engraving and diesinking, 1; fertilizers, 1; files, 1; flavoring extracts, 1; flax, dressed, 1; furnishing goods, men's, 2; furniture, chairs, 2; glucose, 1; hand knit goods, 1; hardware, 2; house furnishing goods, not elsewhere specified, 2; iron and steel, 1; iron and steel, nails and spikes, cut and wrought, including wire nails, 1;

#### KANSAS.

1	All industries.	4,471	43,026,002	5,853,406
2	Agricultural implements.	7	91,400	5,331
3	Blacksmithing and wheelwrighting.	737	727,752	48,993
4	Bookbinding and blank-book making.	6	30,710	7,137
5	Boots and shoes, custom work and repairing.	188	126,421	17,192
6	Bread and other bakery products.	91	314,057	54,704
7	Brick and tile.	87	788,007	45,800
8	Bridges.	3	120,080	5,713
9	Brooms and brushes.	51	122,083	4,518
10	Carpentering.	234	629,463	70,647
11	Carpets, rag.	5	1,375	382
12	Carriages and wagons, including custom work and repairing.	85	1,107,392	76,520
13	Cars and general shop construction and repairs by steam railroad companies.	26	1,683,210	-----
14	Cheese, butter, and condensed milk, factory product.	101	430,702	22,939
15	Clay and pottery products.	6	21,275	1,300
16	Clothing, men's, custom work and repairing.	143	394,044	47,108

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## IOWA.—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.											
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.		
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.				
502	\$183,148	102	\$81,054	398	\$101,844	2	\$250	\$409,317	\$899,817	67	
162	76,347	44	28,498	118	47,849	.....	.....	87,071	308,030	68	
13	8,708	6	4,362	7	4,366	.....	.....	2,545	17,880	69	
253	148,701	82	58,000	108	80,864	3	237	208,159	552,986	70	
168	90,120	17	24,857	151	65,263	.....	.....	1,039,083	2,100,877	71	
621	310,616	134	78,368	485	231,848	2	400	244,720	656,707	72	
27	13,020	4	1,500	23	12,420	.....	.....	34,399	58,300	73	
107	80,510	10	8,005	187	71,605	.....	.....	116,349	208,034	74	
349	205,335	48	37,303	301	107,972	.....	.....	140,417	553,937	75	
620	247,445	15	10,610	603	235,805	2	1,000	325,705	695,588	76	
233	127,005	108	70,531	110	48,042	9	2,522	90,080	318,474	77	
107	95,720	39	40,300	90	39,014	38	6,310	315,272	510,967	78	
301	145,784	57	31,235	230	110,062	14	3,587	115,028	355,020	79	
542	337,021	76	60,343	408	260,528	3	1,150	730,030	1,270,069	80	
544	263,221	102	80,720	495	181,257	7	1,238	254,841	732,025	81	
8,576	1,744,480	722	541,205	2,580	1,026,760	274	170,425	863,704	3,818,623	82	
79	42,475	18	14,081	60	27,308	1	183	130,702	221,550	83	
110	60,027	20	10,173	81	40,370	3	484	97,327	184,966	84	
1,198	502,788	366	210,785	680	280,810	146	55,184	906,290	1,982,427	85	
11	4,052	2	1,382	9	3,570	.....	.....	3,000	0,000	86	
48	20,920	3	1,825	45	25,101	.....	.....	22,820	73,144	87	
31	9,203	5	5,000	22	2,703	4	810	5,202	20,075	88	
12	5,008	6	3,504	6	2,164	.....	.....	10,015	27,000	89	
2,122	1,014,817	115	152,742	2,013	862,075	.....	.....	17,375,828	19,015,380	90	
600	297,140	38	86,520	532	248,120	30	12,500	3,270,393	3,810,110	91	
94	48,013	24	10,372	68	20,441	2	100	238,210	372,132	92	
128	57,011	22	21,937	100	35,074	.....	.....	106,453	355,150	93	
155	75,088	11	10,880	144	64,208	.....	.....	135,304	278,570	94	
253	92,008	19	19,040	234	73,058	.....	.....	526,560	820,589	95	
105	116,480	3	1,400	45	12,865	57	181,275	14,465	227,237	96	
632	342,788	158	101,124	405	230,480	9	2,175	491,270	1,035,071	97	
1,320	602,482	227	161,403	583	226,745	510	214,304	592,534	1,704,570	98	
39	16,582	8	4,035	30	11,247	1	400	21,075	58,277	99	
64	32,786	18	12,704	46	20,082	.....	.....	66,215	147,411	100	
83	35,050	11	10,222	62	21,328	10	4,100	24,702	88,834	101	
217	125,038	61	55,523	120	70,115	.....	.....	47,548	242,858	102	
58	22,244	9	4,000	49	17,554	.....	.....	23,728	67,785	103	
73	29,138	21	11,520	40	10,988	6	630	40,800	109,752	104	
42	26,383	13	9,988	27	15,650	2	745	13,804	48,279	105	
378	133,210	38	28,850	310	98,114	24	6,276	505,503	695,218	106	
1,121	434,035	95	83,005	932	328,930	94	22,100	1,526,117	2,452,083	107	

kindling wood, 1; leather, tanned and curried, 2; lightning rods, 2; liquors, vinous, 2; lithographing and engraving, 1; musical instruments, pianos and materials, 1; paper goods, not elsewhere specified, 1; perfumery and cosmetics, 1; photolithographing and engraving, 1; pipes, tobacco, 1; plumbers' supplies, 2; printing and publishing, music, 1; sausage, 1; saws, 1; smelting and refining, 2; stationery goods, not elsewhere specified, 2; stencils and brands, 2; surgical appliances, 2; tobacco, chewing, smoking, and snuff, 1; tools, not elsewhere specified, 1; woodenware, not elsewhere specified, 1.

## KANSAS.

32,843	16,328,485	4,606	3,040,310	25,160	12,165,880	3,071	1,122,205	78,845,167	110,219,805	1
71	31,748	19	11,073	90	10,125	10	8,650	47,005	101,084	2
1,000	464,398	677	302,417	388	153,979	25	8,002	277,135	987,746	3
35	20,546	6	0,700	20	13,846	.....	.....	12,840	62,640	4
250	106,600	160	71,061	60	24,054	30	1,494	73,900	226,023	5
360	108,860	108	63,207	241	105,251	1	312	378,052	754,716	6
1,280	313,146	54	27,921	1,123	250,586	103	34,630	128,701	667,457	7
352	350,034	33	41,064	310	300,270	.....	.....	407,557	897,730	8
117	41,533	45	10,574	30	10,482	33	11,477	45,399	109,300	9
1,382	735,162	191	117,320	1,150	604,633	35	13,209	1,320,129	2,387,835	10
8	1,800	6	1,000	1	75	1	125	1,965	4,645	11
402	200,004	88	73,017	364	100,100	10	3,097	272,303	703,625	12
2,879	1,760,275	60	46,949	2,810	1,722,326	.....	.....	1,874,046	3,634,038	13
312	111,143	41	16,694	208	94,305	3	144	713,077	910,787	14
56	11,390	6	3,204	23	6,038	7	2,060	4,696	23,117	15
651	380,504	119	89,773	258	145,021	274	145,710	358,074	911,104	16

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
KANSAS—Continued.

MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establish- ments report- ing.	Capital.	Miscella- neous expenses.
17 Clothing, men's, factory product.....	7	\$95,004	\$7,220
18 Clothing, women's, dressmaking.....	134	97,440	10,825
19 Coke.....	6	17,900	505
20 Confectionery.....	20	74,605	7,130
21 Cooperage.....	13	144,267	11,508
22 Dentistry, mechanical.....	31	24,718	5,561
23 Dyeing and cleaning.....	8	4,005	2,723
24 Flouring and grist mill products.....	348	7,844,280	599,986
25 Foundry and machine shop products.....	69	2,034,807	145,683
26 Fruits and vegetables, canning and preserving.....	12	261,433	17,014
27 Furniture, cabinetmaking, repairing and upholstering.....	28	75,045	8,505
28 Furniture, factory product.....	4	151,375	19,249
29 Gas, illuminating and heating.....	12	1,153,228	20,415
30 Grease and tallow.....	5	176,800	11,476
31 Hand stamps.....	3	2,110	1,746
32 Hay and straw, baling.....	4	15,580	945
33 Ice, artificial.....	4	153,045	9,070
34 Ironwork, architectural and ornamental.....	12	141,528	10,056
35 Lime and cement.....	10	101,028	9,236
36 Lock and gunsmithing.....	17	17,881	1,695
37 Looking-glass and picture frames.....	8	12,157	1,372
38 Lumber and other mill products from logs or bolts.....	27	70,805	4,109
39 Lumber, planing mill products, including sash, doors, and blinds.....	36	637,282	31,358
40 Marble and stone work.....	14	98,872	3,007
41 Masonry, brick and stone.....	86	704,046	34,179
42 Mattresses and spring beds.....	9	24,035	3,070
43 Millinery, custom work.....	98	238,702	35,461
44 Mineral and soda waters.....	22	81,352	7,560
45 Monuments and tombstones.....	40	149,885	11,561
46 Painting and paper hanging.....	48	115,578	12,324
47 Patent medicines and compounds.....	4	13,253	5,247
48 Paving and paving materials.....	9	513,344	34,678
49 Photography.....	53	66,000	12,829
50 Plastering and stuccowork.....	34	48,212	1,884
51 Plumbing and gas fitting.....	21	147,200	9,305
52 Printing and publishing, book and job.....	39	523,084	44,682
53 Printing and publishing, newspapers and periodicals.....	627	2,313,870	348,083
54 Roofing and roofing materials.....	19	73,235	5,101
55 Saddlery and harness.....	229	887,400	57,498
56 Salt.....	23	781,085	30,301
57 Shirts.....	5	27,425	6,128
58 Slaughtering and meat packing, wholesale.....	15	11,064,083	3,318,262
59 Slaughtering, wholesale, not including meat packing.....	3	21,375	3,938
60 Soap and candles.....	9	130,370	15,905
61 Sugar and molasses, refining.....	22	308,700	20,938
62 Tinsmithing, coppersmithing, and sheet-iron working.....	162	450,418	27,880
63 Tobacco, cigars and cigarettes.....	110	801,777	73,874
64 Trunks and valises.....	4	24,975	2,231
65 Vinegar and cider.....	15	125,841	5,858
66 Washing machines and clothes wringers.....	6	4,420	190
67 Watch, clock, and jewelry repairing.....	58	20,500	9,923
68 Windmills.....	7	44,201	1,812
69 Wirework, including wire rope and cable.....	18	159,111	2,816
70 Zinc.....	4	218,000	4,220
71 All other industries (a).....	70	3,023,797	344,018

a Embraces artificial limbs, 2; awnings, tents, and sails, 2; bags, other than paper, 1; baking and yeast powders, 1; baskets and rattan and willow ware, 2; boot and shoe uppers, 1; boots and shoes, factory product, 2; boxes, cigar, 1; boxes, wooden packing, 1; brass castings and brass finishing, 1; carriage and wagon materials, 1; cars and general shop construction and repairs by street railroad companies, 1; cars, steam railroad, not including operations of railroad companies, 2; chemicals, 1; china, decorating, 1; coffee and spice, roasting and grinding, 1; cordage and twine, 2; corsets, 2; electroplating, 1; flavoring extracts, 1; furnishing goods, men's, 1; furniture, chairs, 1; glass, cutting, staining, and ornamenting, 1; glucose, 1; gold and silver, reducing and refining, not from the ore, 1; gunpowder, 1; hairwork, 1; hardware, 1; hosiery and knit goods, 1; jewelry, 1;

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## KANSAS—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.									
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.		
318	\$78,392	14	\$6,450	89	\$23,400	215	\$46,542	\$97,448	\$215,804 17
444	123,255	90	46,752	201	60,000	54	6,504	150,207	371,376 18
19	5,845			18	5,695	1	150	9,090	26,503 19
86	43,073	20	15,040	66	27,783			55,876	170,300 20
271	148,123	13	11,122	52	28,757	206	108,244	315,403	550,173 21
38	17,631	32	15,355	5	2,020	1	250	12,010	44,504 22
19	9,054	6	4,700	13	4,204			2,089	19,680 23
2,060	1,053,505	446	310,447	1,612	751,103	11	2,965	14,286,090	17,420,475 24
1,631	1,053,340	130	198,282	1,402	821,852	90	68,206	1,214,507	2,750,825 25
1,171	69,528	18	8,700	530	42,782	614	18,040	147,801	292,505 26
58	26,035	18	9,257	39	16,028	1	150	81,200	82,727 27
100	65,188	10	8,704	122	43,530	28	12,804	57,081	100,414 28
73	55,101	20	15,528	53	39,573			52,010	232,085 29
87	48,720	13	11,880	67	36,503	7	250	108,198	181,150 30
8	4,351	3	1,805	5	2,460			1,117	7,700 31
34	10,126	7	2,840	27	7,286			20,000	36,810 32
72	30,030	11	8,500	61	22,040			18,135	87,914 33
128	78,806	18	16,333	110	62,473			133,546	287,528 34
117	47,081	0	7,040	107	38,001	1	144	21,004	146,649 35
24	9,088	17	7,414	6	1,474	1	200	3,507	17,120 36
14	6,634	4	2,276	10	4,368			8,510	27,580 37
120	16,170	18	2,024	102	13,555			43,208	85,521 38
449	287,150	67	53,700	382	213,450			348,157	828,404 39
200	100,300	9	5,997	200	94,303			53,815	186,821 40
1,000	921,050	68	57,502	1,450	813,785	82	49,712	1,132,016	2,326,328 41
46	20,051	5	3,816	34	12,705	7	3,440	32,101	71,522 42
324	98,728	111	47,010	108	40,143	15	1,075	284,833	444,453 43
81	38,351	38	20,587	48	17,704			29,004	108,822 44
141	82,268	40	26,720	100	55,448	1	100	78,075	233,049 45
106	108,500	48	30,143	142	75,047	6	2,500	92,880	242,077 46
23	8,750	10	7,020	7	1,280	6	450	7,057	29,800 47
207	114,741	10	7,815	252	105,000	5	1,000	107,423	428,915 48
89	40,849	41	25,017	46	21,182	2	700	37,038	130,502 49
180	74,002	20	9,487	160	65,415			50,173	154,087 50
178	120,536	20	16,640	150	101,800	2	2,000	108,004	342,016 51
346	230,720	57	52,320	280	174,803	9	3,504	200,311	544,750 52
2,588	1,132,043	500	372,755	1,812	652,677	180	106,611	556,041	2,514,749 53
73	45,011	21	17,048	52	27,303			60,020	134,901 54
683	372,046	228	140,465	325	163,995	130	68,216	501,021	1,200,000 55
449	187,000	40	32,805	320	127,350	80	27,490	352,574	697,802 56
89	29,064	7	5,100	38	13,600	44	7,176	32,520	73,700 57
5,210	2,893,025	202	250,400	4,551	2,427,236	457	215,293	30,031,824	44,502,071 58
13	6,610	3	2,800	10	3,780			88,100	103,406 59
55	30,030	10	14,010	32	13,820	7	1,600	100,007	253,219 60
313	35,004	12	1,935	301	33,720			88,700	151,406 61
380	178,556	107	50,774	222	116,052	7	1,820	220,507	537,200 62
434	100,885	88	51,400	184	62,272	102	77,153	100,387	534,117 63
23	13,581	5	4,400	18	9,181			17,000	36,500 64
80	25,074	17	11,743	69	14,231			42,800	112,259 65
10	4,151	4	1,041	4	1,570	2	940	2,160	0,300 66
70	42,008	35	22,058	40	20,040	1	300	12,749	83,102 67
24	10,911	0	4,550	18	6,301			15,388	36,058 68
68	30,403	18	11,002	38	11,913	12	7,488	308,848	367,001 69
348	223,070	7	7,200	339	210,570	2	200	937,000	968,500 70
1,501	870,000	110	100,034	1,400	740,577	60	17,458	13,932,470	16,130,845 71

kaolin and other earth grinding, 1; leather, tanned and curried, 2; lithographing and engraving, 1; models and patterns, 1; musical instruments and materials, not specified, 2; oil, linseed, 2; oil, lubricating, 1; optical goods, 2; paints, 1; paper, 1; perfumery and cosmetics, 1; photographic materials, 2; pickles, preserves, and sauces, 1; pipes, tobacco, 2; pumps, not including steam pumps, 2; scales and balances, 1; smelting and refining, 1; starch, 1; steam fittings and heating apparatus, 2; tobacco, chewing, smoking, and snuff, 1; tools, not elsewhere specified, 1; upholstery materials, 1; wood, turned and carved, 2; woolen goods, 1.

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
KENTUCKY.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
1	All industries.....	7,745	\$70,811,080	\$15,870,728
2	Agricultural implements.....	5	1,444,085	110,440
3	Awnings, tents, and sails.....	10	10,800	2,701
4	Baskets and rattan and willow ware.....	20	14,565	2,418
5	Blacksmithing and wheelwrighting.....	840	630,795	41,384
6	Bookbinding and blank-book making.....	9	88,500	8,251
7	Boot and shoe uppers.....	0	40,350	3,785
8	Boots and shoes, custom work and repairing.....	550	375,328	88,367
9	Boots and shoes, factory product.....	11	280,168	33,640
10	Bottling.....	15	73,000	11,174
11	Boxes, cigar.....	3	18,500	806
12	Boxes, wooden packing.....	8	458,150	41,715
13	Brass castings and brass finishing.....	5	20,170	1,741
14	Bread and other bakery products.....	216	645,947	90,177
15	Brick and tile.....	90	820,958	70,871
16	Bridges.....	3	16,000	2,170
17	Brooms and brushes.....	27	36,397	5,638
18	Carpentering.....	483	1,222,888	565,830
19	Carpets, rug.....	27	10,895	2,045
20	Carriage and wagon materials.....	17	242,847	17,067
21	Carriages and wagons, including custom work and repairing.....	188	2,035,273	90,915
22	Cars and general shop construction and repairs by steam railroad companies.....	9	305,299	-----
23	Cheese and butter, urban dairy product.....	14	22,553	4,180
24	Chemicals.....	7	117,330	17,445
25	Clay and pottery products.....	10	250,043	13,528
26	Clothing, men's, custom work and repairing.....	105	97,862	87,383
27	Clothing, men's, factory product.....	248	1,146,454	74,268
28	Clothing, women's, dressmaking.....	441	334,925	61,151
29	Clothing, women's, factory product.....	14	110,077	6,942
30	Coffee and spice, roasting and grinding.....	0	146,400	7,680
31	Coffins and burial cases, trimming and finishing.....	37	121,594	5,508
32	Coffins, burial cases, and undertakers' goods.....	6	120,915	10,804
33	Coke.....	5	80,070	438
34	Confectionery.....	70	228,059	41,598
35	Cooperage.....	107	760,715	46,470
36	Cordage and twine.....	10	384,934	38,142
37	Corsets.....	10	1,575	954
38	Cotton goods.....	5	1,370,192	60,200
39	Cutlery and edge tools.....	4	191,660	14,704
40	Dentistry, mechanical.....	33	76,220	4,881
41	Druggists' preparations, not including prescriptions.....	3	2,010	240
42	Dyeing and cleaning.....	19	38,310	5,223
43	Electroplating.....	3	13,440	1,315
44	Engraving and diesinking.....	9	7,018	1,860
45	Fancy articles, not elsewhere specified.....	7	8,450	851
46	Fertilizers.....	4	234,586	15,382
47	Flouring and grist mill products.....	505	4,285,040	272,883
48	Foundry and machine shop products.....	65	5,109,600	280,727
49	Furnishing goods, men's.....	3	3,270	501
50	Furniture, cabinetmaking, repairing and upholstering.....	90	127,351	18,287
51	Furniture, chairs.....	8	307,505	60,536
52	Furniture, factory product.....	10	853,975	62,861
53	Gas, illuminating and heating.....	14	652,258	29,085
54	Glass, cutting, staining, and ornamenting.....	3	11,125	1,391
55	Grease and tallow.....	5	55,040	1,929
56	Hairwork.....	12	16,055	3,122
57	Hand knit goods.....	4	735	410
58	Hand stamps.....	5	10,708	1,719
59	Hats and caps, not including wool hats.....	3	1,065	392
60	Ice, artificial.....	12	708,735	28,395
61	Instruments, professional and scientific.....	3	17,075	987
62	Iron and steel.....	8	1,074,527	102,019
63	Ironwork, architectural and ornamental.....	12	601,216	42,136
64	Jewelry.....	4	30,595	2,402
65	Lamps and reflectors.....	3	13,615	611
66	Leather, tanned and curried.....	31	2,510,330	109,684

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## KENTUCKY.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.								Cost of materials used.	Value of products, including receipts from custom work and repairing.		
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.					
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.				
65,570	\$27,761,746	9,021	\$6,434,915	40,470	\$17,088,441	10,088	\$3,048,390	\$63,677,583	\$120,710,857		
700	357,182	61	60,344	500	194,038	100	102,800	540,065	1,265,790		
40	18,188	10	7,400	20	9,528	4	1,200	27,120	58,950		
35	10,025	20	10,087	7	3,018	8	3,220	11,531	36,041		
1,202	520,309	705	807,600	520	205,578	28	7,122	336,133	1,001,622		
179	76,171	17	16,445	148	55,848	14	3,878	60,210	185,075		
36	18,205	5	4,000	30	18,883	1	312	32,608	70,140		
920	441,480	524	277,033	191	88,360	205	81,578	334,430	907,388		
325	188,810	20	20,515	208	60,017	88	45,378	260,210	520,387		
55	26,045	10	13,615	85	12,029	1	400	188,630	339,170		
38	14,470	2	1,900	20	7,260	16	5,304	27,403	44,340		
254	97,020	23	21,465	231	75,555	.....	.....	210,125	421,080		
27	15,936	0	5,440	21	10,496	.....	.....	16,570	43,050		
790	304,322	202	162,815	401	101,040	43	10,458	914,000	1,010,110		
1,057	470,816	102	64,121	1,017	878,070	238	40,054	186,577	1,011,003		
14	7,137	3	2,037	8	3,000	3	600	6,050	19,300		
120	55,500	25	15,342	63	20,880	41	19,287	73,730	104,302		
2,661	1,641,007	472	400,482	2,133	1,224,455	56	10,070	3,490,162	6,004,395		
38	16,631	27	13,981	9	2,540	2	120	17,001	41,230		
276	114,752	17	12,116	237	88,915	22	13,721	181,773	377,587		
1,483	748,830	206	161,012	1,148	525,063	130	61,855	910,012	2,074,800		
034	303,440	11	10,240	623	353,240	.....	.....	226,485	588,025		
42	17,714	15	10,196	27	7,518	.....	.....	19,207	47,013		
79	27,034	13	11,865	41	12,054	25	3,125	43,323	138,250		
201	97,880	21	16,777	157	63,647	23	17,562	48,498	104,578		
1,527	785,052	219	188,630	327	180,181	981	417,135	955,761	2,108,850		
2,912	808,001	300	188,813	680	261,823	1,023	357,305	1,198,770	2,518,540		
1,921	500,539	422	210,625	1,418	922,451	81	27,400	520,101	1,349,740		
240	125,480	15	8,601	231	116,798	.....	.....	161,000	305,850		
43	29,500	10	9,932	33	19,508	.....	.....	979,530	1,000,310		
94	42,314	37	20,702	41	19,402	10	2,150	94,073	170,870		
100	40,415	18	13,518	76	20,807	15	9,000	70,555	105,410		
28	11,270	2	500	15	6,031	11	3,848	14,155	29,709		
224	102,610	127	67,771	227	84,902	70	9,870	363,130	730,328		
1,221	510,120	84	61,771	775	312,405	302	105,044	1,070,071	2,027,916		
306	97,030	16	12,131	270	82,088	20	8,120	327,085	547,430		
26	7,700	10	4,470	16	3,320	.....	.....	11,600	22,350		
834	180,030	16	18,466	818	170,573	.....	.....	6,13,940	1,000,000		
221	61,000	8	6,224	72	30,540	141	24,836	77,801	174,000		
52	27,829	31	18,813	21	9,016	.....	.....	15,210	65,944		
5	1,750	1	1,000	3	600	1	150	1,085	5,180		
78	29,777	21	13,320	44	14,176	13	2,272	10,142	57,445		
20	10,108	3	1,832	17	8,300	.....	.....	5,175	24,000		
18	11,491	9	7,590	9	3,901	.....	.....	1,480	10,020		
19	6,412	7	3,534	12	2,878	.....	.....	7,555	16,2.0		
62	31,605	17	13,191	45	18,474	.....	.....	172,860	256,160		
1,816	633,747	488	237,941	1,205	385,361	83	10,445	7,917,017	9,681,250		
3,144	1,747,710	197	234,753	2,360	1,147,026	587	305,940	2,007,308	5,505,321		
25	7,981	3	2,100	2	631	20	5,200	6,210	15,950		
233	159,309	97	68,028	180	80,088	6	2,283	148,762	302,005		
104	46,200	12	12,084	58	25,507	34	8,048	90,615	247,227		
892	302,507	51	52,079	776	307,072	65	33,356	416,137	1,100,252		
77	47,217	24	10,550	53	30,607	.....	.....	48,137	236,588		
23	13,500	5	3,340	18	10,220	.....	.....	10,420	28,025		
16	8,006	6	3,792	10	5,204	.....	.....	50,015	64,650		
38	13,020	15	7,624	23	6,396	.....	.....	18,410	34,149		
8	2,050	4	1,050	4	1,300	.....	.....	5,420	9,800		
12	6,644	6	4,382	6	2,202	.....	.....	8,820	10,158		
7	2,822	3	1,006	4	1,150	.....	.....	1,000	5,800		
107	66,072	24	22,034	173	74,038	.....	.....	55,370	275,033		
16	7,054	3	2,028	13	5,026	.....	.....	1,485	13,280		
1,118	603,031	42	58,795	1,076	544,230	.....	.....	1,312,600	2,163,471		
471	271,305	35	48,692	436	222,074	.....	.....	434,901	830,070		
35	10,308	5	5,800	30	14,008	.....	.....	33,451	64,183		
10	8,173	4	3,952	6	4,221	.....	.....	5,030	16,500		
635	351,028	53	61,097	407	190,472	175	99,450	2,573,200	3,487,570		

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
KENTUCKY—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establish- ments report- ing.	Capital.	Miscel- laneous expenses.
67	Lime and cement.....	12	\$200,505	\$17,433
68	Liquors, distilled.....	126	10,900,210	7,631,610
69	Liquors, malt.....	29	4,005,743	818,803
70	Lithographing and engraving.....	3	86,441	8,303
71	Lock and gun smithing.....	50	43,108	7,307
72	Looking-glass and picture frames.....	10	64,585	6,308
73	Lumber and other mill products from logs or bolts.....	505	6,554,074	380,272
74	Lumber, planing mill products, including sash, doors, and blinds.....	60	1,840,386	88,000
75	Malt.....	5	413,700	23,620
76	Marble and stone work.....	21	420,875	30,804
77	Masonry, brick and stone.....	100	725,800	62,026
78	Mattresses and spring beds.....	30	71,727	5,800
79	Millinery and lace goods.....	3	38,800	2,205
80	Millinery, custom work.....	130	331,302	51,622
81	Mineral and soda waters.....	12	104,535	11,402
82	Models and patterns.....	10	9,771	1,803
83	Monuments and tombstones.....	48	282,445	17,019
84	Musical instruments and materials, not specified.....	7	8,080	1,269
85	Musical instruments, pianos and materials.....	3	12,410	2,104
86	Optical goods.....	4	12,910	1,348
87	Painting and paper hanging.....	258	400,504	54,088
88	Paints.....	4	203,220	11,875
89	Patent medicines and compounds.....	18	50,546	17,022
90	Paving and paving materials.....	34	262,180	34,327
91	Photography.....	48	88,653	18,070
92	Pickles, preserves, and sauces.....	5	106,750	4,680
93	Plastering and stuccowork.....	82	130,064	19,307
94	Plumbing and gas fitting.....	83	261,016	33,175
95	Printing and publishing, book and job.....	50	380,512	28,172
96	Printing and publishing, newspapers and periodicals.....	184	2,307,213	305,065
97	Pumps, not including steam pumps.....	3	40,023	1,456
98	Roofing and roofing materials.....	113	410,707	57,062
99	Saddlery and harness.....	141	1,403,476	86,060
100	Scales and balances.....	3	4,440	1,607
101	Sewing machine repairing.....	0	4,450	870
102	Shipbuilding.....	20	53,511	3,157
103	Shirts.....	33	37,313	6,521
104	Slaughtering and meat packing, wholesale.....	17	1,415,373	130,312
105	Slaughtering, wholesale, not including meat packing.....	9	32,572	4,804
106	Soap and candles.....	6	452,823	6,389
107	Steam fittings and heating apparatus.....	3	178,189	13,033
108	Timber products, not manufactured at mill.....	4	10,400	1,525
109	Tinsmithing, coppersmithing, and sheet-iron working.....	98	448,167	31,170
110	Tobacco, chewing, smoking, and snuff.....	88	2,087,471	2,320,144
111	Tobacco, cigars and cigarettes.....	144	528,297	138,541
112	Tobacco, stemming and rehandling.....	70	1,075,083	110,641
113	Tools, not elsewhere specified.....	7	3,998	703
114	Trunks and valises.....	10	330,011	31,368
115	Umbrellas and canes.....	7	9,485	1,574
116	Vinegar and cider.....	11	374,737	30,352
117	Washing machines and clothes wringers.....	8	4,770	1,034
118	Watch, clock, and jewelry repairing.....	85	114,413	14,711
119	Wirework, including wire rope and cable.....	13	353,704	14,906
120	Wood, turned and carved.....	19	307,953	17,091
121	Woolen goods.....	40	2,560,737	170,755
122	All other industries ( $\alpha$ ).....	89	2,584,020	150,066

<sup>a</sup> Embraces artificial feathers and flowers, 2; artificial limbs, 1; bagging, flax, hemp, and jute, 1; baking and yeast powders, 2; bells, 1; bolting and hose, leather, 1; bicycle and tricycle repairing, 1; bluing, 1; boot and shoe cut stock, 2; boxes, fancy and paper, 2; buttons, 1; carriages and sleds, children's, 2; cars and general shop construction and repairs by street railroad companies, 2; cars, steam railroad, not including operations of railroad companies, 2; cheese, butter, and condensed milk, factory product, 1; china, decorating, 2; cigar molds, 1; clothing, men's, factory product, buttonholes, 1; engraving, steel, including plate printing, 1; engraving, wood, 1; files, 1; flags and banners, 1; flavoring extracts, 1; foundry supplies, 1; fruits and vegetables, canning and preserving, 2; fur goods, 2; gas machines and meters, 1; glass, 2; glue, 1; gold and silver, leaf and foil, 1; hardware, 1; hosiery and knit goods, 2; house furnishing goods, not elsewhere specified, 2;

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## KENTUCKY—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.								
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Value of products, including receipts from custom work and repairing.
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	
207	\$76,108	11	\$8,703	175	\$60,203	21	\$7,112	\$104,211
1,092	739,381	248	196,014	1,057	503,062	87	40,305	3,876,591
597	464,857	88	144,172	500	320,685	-----	-----	853,126
81	41,118	7	6,560	74	34,018	-----	-----	48,560
86	47,280	45	29,013	41	18,273	-----	-----	17,544
53	32,529	14	10,440	38	21,060	1	120	42,040
6,782	1,708,855	536	246,416	5,966	1,456,292	280	96,147	4,370,822
1,506	768,241	117	121,754	1,360	631,577	29	14,010	1,873,328
74	45,128	8	9,828	66	35,300	-----	-----	371,040
406	265,522	25	21,728	305	235,614	16	8,180	325,902
1,429	914,087	158	153,103	1,271	700,084	-----	-----	1,301,878
100	49,338	34	20,953	40	19,590	20	9,886	81,830
56	17,611	4	2,760	52	14,842	-----	-----	83,025
509	151,683	137	64,141	389	87,492	3	50	304,007
71	39,513	17	12,813	54	20,700	-----	-----	714,067
12	9,198	8	6,182	4	3,016	-----	-----	104,051
269	157,870	61	47,772	200	107,048	8	2,500	202,701
13	9,231	7	5,855	6	3,876	-----	-----	2,270
9	5,438	2	1,700	6	3,488	1	250	4,422
9	4,554	5	3,204	4	1,350	-----	-----	5,725
1,201	705,438	280	215,422	751	404,137	161	85,870	628,075
50	30,280	10	11,974	38	17,470	2	830	179,074
62	24,082	27	18,250	34	6,192	1	300	41,199
459	209,012	38	34,070	422	174,142	1	200	278,550
124	70,056	46	35,774	75	34,657	3	525	41,720
78	22,478	10	8,500	66	13,712	2	200	70,010
447	289,053	81	72,559	358	214,914	8	2,480	282,786
483	275,887	113	95,436	360	180,361	1	90	358,089
397	182,206	69	48,970	297	110,718	31	13,500	157,884
1,800	1,106,433	270	206,006	1,250	632,307	280	207,210	481,713
20	11,830	3	1,600	17	10,140	-----	-----	11,785
510	280,055	114	83,434	404	107,171	1	50	743,608
1,130	540,277	200	146,901	698	278,533	223	114,783	1,180,278
20	11,058	7	3,804	13	7,194	-----	-----	5,049
9	7,201	5	5,200	4	2,061	-----	-----	3,030
88	41,577	26	15,612	62	25,065	-----	-----	91,075
142	43,148	37	18,604	64	18,108	41	8,376	17,858
439	161,571	48	42,377	371	115,870	20	3,315	2,288,007
30	18,813	7	7,240	23	11,573	-----	-----	320,067
89	41,109	10	14,340	70	20,820	-----	-----	197,000
91	55,062	14	17,400	77	37,002	-----	-----	133,426
81	17,415	5	1,460	64	15,355	12	600	4,570
533	206,533	121	86,750	894	172,038	18	18,845	370,138
2,027	808,482	148	148,576	1,610	443,445	869	216,461	2,847,081
553	375,259	150	94,500	141	35,398	653	245,301	384,399
2,372	443,340	110	70,944	1,431	202,588	891	100,808	2,589,005
10	5,011	7	4,736	8	1,175	-----	-----	3,970
436	180,958	37	30,473	250	91,727	143	58,758	215,773
12	5,054	7	3,000	5	2,054	-----	-----	9,612
119	74,518	20	24,424	90	60,094	-----	-----	316,051
14	8,700	8	5,011	6	3,188	-----	-----	6,570
172	106,652	77	52,701	89	51,745	6	2,206	72,505
303	143,237	21	23,342	88	35,475	254	84,420	327,681
341	151,900	21	16,951	246	99,774	74	35,175	248,605
1,803	554,544	78	78,006	1,531	426,134	194	50,404	1,305,246
2,500	1,152,732	176	160,110	1,901	756,199	483	240,414	2,789,029

ink, writing, 1; iron and steel, bolts, nuts, washers, and rivets, 1; iron and steel, forgings, 1; iron and steel, nails and spikes, cut and wrought, including wire nails, 2; ivory and bone work, 1; kindling wood, 2; leather, morocco, 1; mirrors, 1; mucilage and paste, 2; musical instruments, organs and materials, 1; oil, cottonseed and cake, 2; oysters, canning and preserving, 1; paper, 1; photolithographing and engraving, 2; pipes, tobacco, 1; plumbers' supplies, 1; refrigerators, 1; salt, 2; saws, 1; show cases, 2; smelting and refining, 1; sporting goods, 2; stencils and brands, 2; stereotyping and electrotyping, 1; surgical appliances, 2; toys and games, 1; upholstery materials, 1; varnish, 1; watch cases, 1; windmills, 1; window shades, 1; worsted goods, 2.

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
LOUISIANA.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establish- ments report- ing.	Capital.	Miscellane- ous expenses.
1	All industries.....	2,613	\$34,754,121	\$3,760,753
2	Artificial feathers and flowers.....	7	7,970	2,360
3	Awnings, tents, and sails.....	4	20,010	2,401
4	Bags, other than paper.....	3	201,500	9,755
5	Baskets and rattan and willow ware.....	7	6,837	1,102
6	Blacksmithing and wheelwrighting.....	153	166,385	17,640
7	Bookbinding and blank-book making.....	10	23,325	3,038
8	Boot and shoe uppers.....	5	9,755	1,012
9	Boots and shoes, custom work and repairing.....	922	103,153	30,054
10	Boots and shoes, factory product.....	17	293,244	11,653
11	Boxes, cigar.....	3	24,800	3,306
12	Boxes, fancy and paper.....	3	8,975	2,415
13	Boxes, wooden packing.....	6	90,050	6,504
14	Brass castings and brass finishing.....	3	14,500	435
15	Bread and other bakery products.....	172	623,074	108,256
16	Brick and tile.....	22	315,453	18,254
17	Brooms and brushes.....	9	33,004	2,730
18	Carpentering.....	109	244,218	14,829
19	Carriages and wagons, including custom work and repairing.....	61	264,018	17,278
20	Cars and general shop construction and repairs by steam railroad companies.....	6	156,130	101
21	Cars and general shop construction and repairs by street railroad companies.....	6	36,100	2,100
22	Clay and pottery products.....	5	41,550	2,405
23	Clothing, men's, custom work and repairing.....	84	206,385	20,888
24	Clothing, men's, factory product.....	26	1,160,927	54,000
25	Clothing, women's, dressmaking.....	70	76,531	10,323
26	Clothing, women's, factory product.....	12	36,420	6,940
27	Coffee and spice, roasting and grinding.....	7	60,585	6,127
28	Coffins and burial cases, trimming and finishing.....	12	46,295	2,632
29	Confectionery.....	19	112,414	18,001
30	Cooperage.....	120	498,130	26,741
31	Cordials and sirups.....	5	21,133	2,081
32	Corsets.....	5	3,190	1,003
33	Cotton, cleaning and rehandling.....	7	25,500	8,053
34	Cotton, compressing.....	16	1,024,483	127,142
35	Cotton, ginning.....	50	156,000	10,386
36	Cutlery and edge tools.....	13	12,040	2,900
37	Dentistry, mechanical.....	7	13,265	1,773
38	Druggists' preparations, not including prescriptions.....	8	14,192	2,411
39	Dyeing and cleaning.....	15	24,293	5,904
40	Electroplating.....	3	29,400	2,045
41	Engraving and diesinking.....	3	2,545	930
42	Fertilizers.....	3	582,347	24,910
43	Flouring and gristmill products.....	19	35,395	1,680
44	Foundry and machine shop products.....	49	1,658,150	69,371
45	Furnishing goods, men's.....	10	100,050	5,735
46	Furniture, cabinetmaking, repairing, and upholstering.....	57	74,060	11,052
47	Furniture, factory product.....	5	103,310	7,424
48	Gas, illuminating and heating.....	4	2,822,240	132,460
49	Hairwork.....	12	16,030	2,952
50	Hats and caps, not including wool hats.....	3	5,310	669
51	Hosiery and knit goods.....	3	100,000	2,480
52	Ice, artificial.....	10	888,870	77,598
53	Ironwork, architectural and ornamental.....	10	93,250	6,753
54	Jewelry.....	3	53,640	3,025
55	Leather, tanned and curried.....	4	35,060	625
56	Liquors, malt.....	8	3,188,232	839,331
57	Lithographing and engraving.....	3	87,700	13,200
58	Lock and gun smithing.....	27	31,370	3,500
59	Looking-glass and picture frames.....	8	11,486	3,410
60	Lumber and other mill products from logs or bolts.....	122	5,560,598	213,535
61	Lumber, planing mill products, including sash, doors, and blinds.....	27	947,837	51,108
62	Marble and stone work.....	7	17,415	2,224
63	Masonry, brick and stone.....	27	76,029	5,635
64	Mattresses and spring beds.....	21	55,070	4,472
65	Millinery and lace goods.....	5	923	1,647
66	Millinery, custom work.....	51	239,235	22,050

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## LOUISIANA.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.								Cost of materials used.	Value of products, including receipts from custom work and repairing.		
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.					
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.				
31,901	\$13,150,564	3,524	\$3,036,995	19,307	\$7,602,616	9,010	\$2,510,923	\$33,282,724	\$67,806,713		
20	7,362	9	4,716	11	2,616	4	4,387	18,906	2		
33	20,692	8	10,972	25	15,720	-----	41,640	85,500	3		
95	38,004	6	6,800	72	20,064	17	3,100	570,175	4		
17	8,420	4	2,107	13	5,022	-----	3,425	15,148	5		
401	211,817	134	79,664	293	131,175	4	96,118	400,564	6		
55	27,320	12	11,150	43	16,170	-----	6,828	42,622	7		
24	9,487	2	1,080	22	8,407	-----	31,871	54,231	8		
620	267,656	212	112,033	183	66,833	226	88,089	195,385	9		
825	365,280	30	36,370	380	148,067	406	180,833	412,497	10		
104	36,540	4	4,999	30	9,558	70	20,992	40,177	11		
85	22,059	7	5,732	60	13,519	18	2,808	15,061	12		
116	49,080	8	9,344	108	39,746	-----	75,063	158,180	13		
19	9,408	2	1,848	17	7,018	-----	10,425	28,304	14		
800	425,825	216	151,315	611	260,420	42	8,000	1,310,149	15		
540	143,051	20	20,007	406	111,030	45	12,005	55,841	16		
77	37,301	9	8,586	35	14,470	33	14,245	67,131	17		
614	348,800	100	87,255	396	224,802	130	36,692	505,827	18		
350	185,147	65	51,387	277	120,728	8	4,032	133,294	19		
71	50,650	10	7,235	61	43,421	-----	61,602	112,847	20		
54	38,787	-----	-----	54	38,787	-----	36,414	70,800	21		
51	23,707	8	5,844	42	17,347	1	570	9,431	22		
341	221,050	85	67,000	94	50,134	102	103,230	216,225	23		
3,680	612,421	103	105,186	587	190,107	2,496	317,038	1,390,137	24		
365	86,152	80	38,040	210	40,308	6	1,144	61,700	25		
336	43,288	3	3,024	10	3,000	317	87,264	120,246	26		
31	12,571	14	6,720	17	5,851	-----	147,320	177,320	27		
30	16,348	14	10,392	14	5,548	2	408	38,122	28		
122	56,070	30	28,094	82	28,076	1	200	130,903	29		
843	355,133	80	51,704	521	226,441	232	70,028	360,738	30		
23	16,140	9	8,088	11	5,202	3	2,100	24,060	31		
15	6,390	6	3,484	9	2,012	-----	4,250	12,266	32		
124	28,750	4	2,000	120	23,850	-----	51,500	51,500	33		
1,115	600,069	61	71,520	150	74,814	895	522,735	82,584	34		
380	39,970	10	5,294	311	34,070	-----	56,062	131,842	35		
24	14,744	15	9,824	9	4,920	-----	1,944	23,767	36		
8	6,520	7	9,000	1	520	-----	1,456	15,095	37		
14	11,303	6	5,795	8	5,508	-----	7,916	26,853	38		
42	20,258	16	10,312	26	9,946	-----	3,087	29,812	39		
35	19,330	4	6,036	20	11,704	2	600	9,971	40		
3	2,500	3	2,500	-----	-----	-----	630	7,580	41		
105	50,508	7	22,350	98	37,248	-----	157,703	263,078	42		
48	7,610	7	813	40	6,050	1	150	41,836	43		
1,207	705,488	112	135,702	1,080	656,030	15	3,750	922,559	44		
358	73,650	12	13,010	90	23,244	258	37,390	204,304	45		
120	61,042	55	36,704	58	22,574	7	5,304	44,515	46		
95	47,754	8	6,704	74	31,080	13	9,880	53,747	47		
95	66,063	24	38,510	71	28,447	-----	112,965	686,076	48		
33	10,103	12	6,021	19	3,872	2	300	5,015	22,638		
4	1,000	3	1,456	1	144	-----	655	4,160	50		
284	51,841	6	9,150	178	37,980	100	4,705	58,202	51		
246	141,312	55	44,010	101	96,390	-----	104,800	501,430	52		
102	60,070	12	12,200	90	48,680	-----	51,701	147,068	53		
20	18,520	10	12,000	9	5,050	1	504	8,042	54		
20	12,300	3	3,036	17	8,424	-----	44,880	69,131	55		
282	270,884	103	132,072	170	138,212	-----	592,502	1,005,700	56		
70	50,208	10	17,900	55	28,518	5	8,820	24,005	57		
48	22,000	25	17,371	15	3,528	3	1,710	5,556	58		
10	7,056	9	4,232	10	3,724	-----	10,019	35,070	59		
3,001	1,240,460	188	107,356	2,780	1,032,191	114	40,913	3,073,144	5,599,744		
720	440,781	80	93,030	642	349,354	1	500	716,907	1,403,576		
35	10,444	7	5,738	27	13,082	1	24	19,925	52,005		
356	217,704	28	25,750	322	100,500	5	1,535	293,677	568,368		
105	40,708	21	12,308	72	25,650	12	2,840	64,809	144,289		
18	5,248	5	2,900	13	2,348	-----	8,311	18,023	65		
200	85,792	52	29,785	163	42,900	51	10,008	187,727	382,553		

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
LOUISIANA—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
67	Mineral and soda waters .....	12	\$93,470	\$9,436
68	Monuments and tombstones .....	14	53,400	3,581
69	Musical instruments and materials, not specified .....	4	22,440	757
70	Oil, cottonseed and cake .....	7	1,082,752	48,124
71	Painting and paper hanging .....	43	104,937	10,355
72	Patent medicines and compounds .....	9	185,722	40,504
73	Paving and paving materials .....	11	90,887	6,445
74	Photography .....	26	53,528	20,491
75	Pickles, preserves, and sauces .....	3	38,440	2,173
76	Plastering and stuccowork .....	12	22,300	1,356
77	Plumbing and gas fitting .....	16	182,883	20,046
78	Printing and publishing, book and job .....	37	313,483	34,874
79	Printing and publishing, newspapers and periodicals .....	116	815,083	325,820
80	Rice, cleaning and polishing .....	16	1,033,700	92,420
81	Roofing and roofing materials .....	23	128,201	8,078
82	Saddlery and harness .....	42	451,770	40,898
83	Sausage .....	13	31,243	3,441
84	Sewing machine repairing .....	5	2,520	1,075
85	Shipbuilding .....	13	368,218	13,927
86	Shirts .....	5	30,885	5,584
87	Soap and candles .....	11	201,005	4,581
88	Sugar and molasses, refining .....	38	1,043,601	518,384
89	Timber products, not manufactured at mill .....	5	127,716	14,712
90	Tinsmithing, coppermithing, and sheet-iron working .....	80	286,814	26,331
91	Tobacco, chewing, smoking, and snuff .....	5	115,238	32,871
92	Tobacco, cigars and cigarettes .....	78	370,406	203,064
93	Umbrellas and canes .....	5	1,700	1,030
94	Upholstery materials .....	4	38,275	805
95	Vinegar and cider .....	3	16,170	2,968
96	Watch, clock, and jewelry repairing .....	70	96,044	14,920
97	All other industries (a) .....	65	2,698,442	110,280

(a) Embraces ammunition, 1; artificial limbs, 2; bagging, flax, hemp, and jute, 1; baking and yeast powders, 2; carriage and wagon materials, 2; chemicals, 2; china, decorating, 1; coffins, burial cases, and undertakers' goods, 2; cordage and twine, 2; cork, cutting, 2; cotton goods, 2; drug grinding, 1; electrical apparatus and supplies, 1; engraving, wood, 1; fancy articles, not elsewhere specified, 2; fireworks, 1; flags and banners, 5; flavoring extracts, 1; food preparations, 1; fruits and vegetables, canning and preserving, 1; galvanizing, 1; gas machines and meters, 1; gold and silver, reducing and refining, not from the ore, 1; grease and tallow, 1; hay and straw, baling, 1; house furnishing goods, not elsewhere specified, 2; instru-

## MAINE.

1	All industries .....	5,010	80,410,800	5,384,604
2	Agricultural implements .....	17	439,207	20,669
3	Awnings, tents, and sails .....	32	80,817	5,187
4	Blacksmithing and wheelwrighting .....	600	555,798	33,407
5	Bookbinding and blank-book making .....	10	50,511	3,071
6	Boot and shoe cut stock .....	4	16,300	1,181
7	Boot and shoe findings .....	4	102,688	12,582
8	Boots and shoes, custom work and repairing .....	136	54,080	8,881
9	Boots and shoes, factory product .....	53	4,804,946	397,334
10	Boxes, fancy and paper .....	9	124,243	9,291
11	Boxes, wooden packing .....	11	175,042	23,115
12	Brass castings and brass finishing .....	3	30,200	1,865
13	Bread and other bakery products .....	50	338,754	49,309
14	Briek and tile .....	118	437,656	30,383
15	Brooms and brushes .....	5	21,034	2,481
16	Carpentering .....	174	633,737	42,165
17	Carriage and wagon materials .....	8	27,868	1,183
18	Carriages and wagons, including custom work and repairing .....	204	575,084	33,578
19	Cars and general shop construction and repairs by steam railroad companies .....	10	150,072	.....
20	Cheese, butter, and condensed milk, factory product .....	40	110,215	4,598
21	Chemicals .....	11	61,014	3,832
22	Clay and pottery products .....	9	382,852	26,727
23	Clothing, men's, custom work and repairing .....	99	438,125	34,571
24	Clothing, men's, factory product .....	87	684,430	97,243
25	Clothing, women's, dressmaking .....	139	71,004	16,351
26	Clothing, women's, factory product .....	3	23,286	2,092

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

LOUISIANA—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.								Cost of materials used.	Value of products, including receipts from custom work and repairing.		
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.					
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.				
75	\$46,070	21	\$17,708	51	\$28,030	3	\$332	\$52,736	\$176,075 67		
74	40,260	15	16,520	48	25,100	11	4,040	71,297	141,404 68		
21	13,076	4	3,956	17	9,120	-----	-----	10,808	27,120 69		
427	177,192	40	41,010	380	134,778	1	1,404	1,058,115	1,573,626 70		
277	161,837	56	51,157	203	103,040	18	7,040	87,954	302,043 71		
86	48,560	24	25,444	62	23,116	-----	-----	70,072	274,930 72		
83	50,130	12	10,305	71	39,825	-----	-----	70,397	170,015 73		
99	62,595	30	28,361	64	31,754	5	2,480	26,453	126,400 74		
68	19,602	3	2,320	65	17,342	-----	-----	93,010	144,000 75		
63	30,077	13	10,718	50	25,359	-----	-----	24,824	78,207 70		
158	92,608	30	35,240	128	57,458	-----	-----	101,901	329,748 77		
330	207,134	72	75,373	244	115,600	23	10,101	114,077	441,123 78		
937	687,378	169	176,380	543	323,002	225	187,927	288,840	1,547,051 79		
409	182,827	54	49,210	351	182,980	4	628	3,423,050	4,000,901 80		
144	89,187	30	30,227	104	54,798	10	4,102	97,018	232,448 81		
252	160,385	82	80,780	127	68,073	43	20,532	408,401	757,035 82		
62	21,504	17	10,472	45	11,032	-----	-----	88,901	160,421 83		
7	4,592	4	2,720	3	1,872	-----	-----	2,900	11,800 84		
192	119,555	17	15,104	105	96,130	10	8,312	71,259	229,645 85		
520	55,210	6	7,210	78	22,000	445	25,400	155,280	233,000 86		
83	46,908	26	20,400	57	26,508	-----	-----	133,477	221,164 87		
2,015	440,857	52	32,300	1,047	409,012	16	8,536	11,107,852	12,609,913 88		
414	81,574	6	3,150	47	6,944	361	71,480	16,035	145,450 89		
456	261,332	103	90,402	233	195,048	69	85,932	246,579	611,404 90		
171	58,451	16	11,845	112	40,666	43	5,940	128,728	282,080 91		
1,045	753,820	100	74,706	550	174,763	1,295	504,300	510,022	1,560,745 92		
7	2,482	3	1,650	4	832	-----	-----	1,320	5,720 93		
04	22,038	0	5,552	58	16,186	-----	-----	128,201	178,650 94		
18	12,336	6	6,416	12	5,920	-----	-----	12,004	40,415 95		
130	101,754	63	53,784	73	46,110	3	1,800	40,149	187,763 96		
2,051	673,675	123	125,210	1,714	510,208	214	43,257	1,442,738	2,463,792 97		

ments, professional and scientific, 2; lightning rods, 1; mirrors, 1; models and patterns, 1; musical instruments, organs and materials, 1; musical instruments, pianos and materials, 1; paints, 1; perfumery and cosmetics, 2; photolithographing and engraving, 1; refrigerators, 1; salt, 1; scales and balances, 2; show cases, 1; silverware, 1; steam fittings and heating apparatus, 1; stencils and brands, 2; stereotyping and electrotyping, 1; trunks and valises, 2; wirework, including wire rope and cable, 1; wood, turned and carved, 2; woolen goods, 1.

## MAINE.

75,780	26,526,217	5,406	3,563,636	53,885	18,819,503	10,480	4,142,080	51,520,580	95,080,500	1
217	118,048	30	20,211	125	57,383	62	40,454	108,470	310,822	2
119	59,721	24	15,954	95	43,707	-----	-----	144,382	235,600	3
878	405,962	545	204,193	330	139,119	3	650	240,312	837,472	4
88	41,308	9	8,313	73	32,095	6	900	30,672	88,950	5
87	15,370	6	3,302	21	5,857	60	6,160	20,478	40,083	6
121	65,014	10	13,520	107	51,104	4	1,200	80,091	222,325	7
198	85,639	109	49,185	58	24,124	31	12,330	54,851	105,784	8
6,597	3,078,466	215	209,906	2,558	1,182,424	3,824	1,086,076	5,800,682	10,335,342	9
434	113,063	20	15,196	170	44,172	225	54,325	137,080	285,530	10
213	79,039	11	7,880	185	67,073	17	4,080	189,147	330,082	11
14	8,034	5	4,500	9	4,074	-----	-----	10,090	24,604	12
302	170,364	117	72,240	275	107,118	-----	-----	564,403	925,460	13
1,073	279,138	66	27,802	929	215,019	78	36,317	132,157	511,760	14
40	15,613	8	4,211	22	9,002	10	1,800	27,184	57,600	15
1,273	710,575	100	142,281	1,078	574,724	5	2,570	802,010	1,880,378	16
20	10,458	6	4,038	11	5,220	3	1,200	11,510	28,450	17
046	811,408	185	101,542	436	206,368	25	8,588	254,671	736,901	18
244	139,775	5	4,500	239	135,275	-----	-----	82,536	224,113	19
100	37,195	16	7,311	81	28,034	3	1,850	334,403	401,620	20
51	25,038	16	10,930	35	14,102	-----	-----	43,033	89,356	21
172	82,767	15	12,820	151	65,538	6	4,400	87,035	202,314	22
847	831,307	89	70,888	209	122,488	540	138,501	384,498	861,512	23
6,059	725,805	78	67,937	823	204,097	5,158	402,871	852,035	1,989,183	24
602	166,221	130	50,862	407	108,088	5	6,071	190,090	420,027	25
66	20,773	3	4,524	14	5,390	49	11,113	28,020	55,237	26

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
MAINE—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establish- ments report- ing.	Capital.	Mis- cella- neous expenses.
27	Coffins and burial cases, trimming and finishing.....	37	\$128,505	\$0,272
28	Coffins, burial cases, and undertakers' goods.....	4	25,334	2,395
29	Confectionery.....	32	120,015	13,088
30	Cooperage.....	74	317,187	18,784
31	Cotton goods.....	23	20,850,754	1,185,336
32	Cutlery and edge tools.....	23	137,199	5,903
33	Dentistry, mechanical.....	54	45,112	5,517
34	Druggists' preparations, not including prescriptions.....	44	67,255	8,294
35	Dyeing and cleaning.....	11	20,635	2,772
36	Finey articles, not elsewhere specified.....	3	2,048	4,745
37	Fertilizers.....	6	74,530	4,354
38	Files.....	3	3,884	473
39	Fish, canning and preserving.....	35	527,420	04,712
40	Flavoring extracts.....	3	38,650	1,580
41	Flouring and grist mill products.....	210	1,194,000	53,032
42	Food preparations.....	3	17,557	2,024
43	Foundry and machine shop products.....	82	3,024,473	180,559
44	Fruits and vegetables, canning and preserving.....	44	1,014,980	43,067
45	Furnishing goods, men's.....	3	27,150	2,005
46	Furniture, cabinetmaking, repairing and upholstering.....	45	110,248	0,417
47	Furniture, chairs.....	5	95,235	21,385
48	Furniture, factory product.....	15	286,032	15,824
49	Gas, illuminating and heating.....	11	804,180	50,574
50	Grease and tallow.....	3	9,800	3,645
51	Hairwork.....	3	7,050	364
52	Hardware.....	6	41,802	1,800
53	Hats and caps, not including wool hats.....	3	14,350	1,274
54	Hosiery and knit goods.....	4	28,095	1,010
55	Kaolin and other earth grinding.....	5	99,495	10,190
56	Kindling wood.....	5	68,050	17,801
57	Lasts.....	3	19,025	1,807
58	Leather board.....	3	147,090	3,750
59	Leather, tanned and curried.....	51	2,281,702	117,141
60	Lime and cement.....	28	844,325	41,060
61	Lock and gun smithing.....	8	10,840	1,339
62	Looking-glass and picture frames.....	26	44,010	5,770
63	Lumber and other mill products from logs or bolts.....	831	11,883,447	546,398
64	Lumber, planing mill products, including sash, doors, and blinds.....	67	902,940	51,508
65	Marble and stone work.....	23	758,040	30,201
66	Masonry, brick and stone.....	49	110,495	9,286
67	Matches.....	3	178,787	17,234
68	Mattresses and spring beds.....	3	3,500	243
69	Military, custom work.....	85	100,957	27,082
70	Mineral and soda waters.....	14	141,705	6,617
71	Models and patterns.....	7	18,100	723
72	Monuments and tombstones.....	66	263,632	13,215
73	Musical instruments and materials, not specified.....	3	2,735	559
74	Oil, lubricating.....	5	92,200	5,884
75	Oilcloth, floor.....	3	368,000	10,750
76	Painting and paper hanging.....	90	164,370	17,207
77	Paper.....	6	1,578,327	145,807
78	Patent medicines and compounds.....	16	82,200	34,761
79	Paving and paving materials.....	15	77,945	2,576
80	Photography.....	43	67,783	13,028
81	Plastering and stuccowork.....	8	14,485	2,309
82	Plumbing and gas fitting.....	31	180,525	17,235
83	Printing and publishing, book and job.....	36	177,886	18,126
84	Printing and publishing, newspapers and periodicals.....	105	1,140,152	244,936
85	Pulp, wood.....	11	2,095,498	177,061
86	Pumps, not including steam pumps.....	4	11,730	1,146
87	Roofing and roofing materials.....	5	24,025	2,907
88	Saddlery and harness.....	120	246,841	21,265
89	Shipbuilding.....	85	1,027,750	100,032
90	Shirts.....	4	111,385	5,009
91	Slaughtering, wholesale, not including meat packing.....	5	30,875	2,567

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

MAINE—Continued.

AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.								Cost of materials used.	Value of products, including receipts from custom work and repairing.
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.			
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.		
67	\$35,498	32	\$10,594	30	\$15,204	5	\$700	\$58,407	\$127,103 27
25	12,733	4	2,953	12	6,065	9	2,816	20,986	70,828 28
152	65,170	48	29,333	85	30,505	19	5,341	155,401	297,087 29
236	101,020	45	33,170	114	42,448	77	28,408	330,485	486,001 30
13,902	4,372,473	80	158,030	12,318	3,747,291	1,594	400,232	8,446,736	15,310,900 31
103	46,043	30	16,522	10	6,401	57	24,020	31,240	105,775 32
92	30,505	54	12,770	8	3,726	.....	.....	17,833	68,333 33
84	32,803	36	21,351	48	11,452	.....	.....	49,912	125,025 34
53	20,290	11	6,570	38	13,112	4	6,008	10,135	42,191 35
28	6,300	1	750	27	6,550	.....	.....	12,540	29,500 36
44	12,070	8	4,030	33	8,770	3	170	41,003	60,020 37
9	4,892	3	1,600	3	1,300	3	1,002	600	7,720 38
2,391	471,643	49	23,837	801	180,480	1,541	207,317	900,074	1,000,881 39
15	6,075	3	2,400	12	3,075	.....	.....	24,907	38,888 40
463	186,420	201	61,070	256	94,400	0	845	2,806,800	3,254,690 41
48	4,118	4	908	44	3,120	.....	.....	10,082	17,360 42
1,903	1,041,603	135	124,849	1,728	800,094	40	10,880	1,180,070	2,628,572 43
2,133	215,020	40	19,538	1,042	157,901	445	38,121	700,719	1,192,682 44
43	18,650	4	5,205	17	6,354	22	7,100	52,918	88,250 45
138	65,350	38	19,054	63	43,202	7	3,100	127,800	243,030 46
145	50,045	12	10,572	113	47,938	20	535	45,045	150,250 47
276	139,027	23	20,350	243	114,137	10	5,140	235,740	534,000 48
76	52,710	23	20,801	53	31,900	.....	.....	68,800	311,381 49
18	7,810	6	3,031	10	4,188	.....	.....	12,467	31,064 50
7	1,874	1	312	6	1,562	.....	.....	1,720	5,000 51
40	18,273	6	5,570	30	12,445	4	252	9,997	51,304 52
22	12,748	3	2,956	17	9,302	2	400	12,940	28,632 53
260	30,105	3	1,950	87	10,075	170	17,240	33,830	70,603 54
84	26,470	8	8,503	69	18,223	7	2,450	41,252	81,065 55
100	37,505	6	3,540	62	27,721	32	6,334	42,907	107,238 56
21	14,525	4	5,025	17	9,500	.....	.....	6,605	30,138 57
69	31,800	11	5,900	57	25,600	1	400	80,087	162,750 58
011	411,701	59	48,950	725	310,083	127	43,808	2,907,343	3,303,672 59
559	204,465	39	32,202	520	202,193	.....	.....	704,904	1,210,444 60
11	5,810	9	4,971	2	845	.....	.....	1,430	0,405 61
65	30,486	24	12,244	40	24,019	1	220	41,030	94,242 62
8,932	2,510,000	520	238,688	8,046	2,175,773	300	105,148	5,050,780	10,907,438 63
660	382,412	83	63,475	551	258,180	26	10,757	564,011	1,085,692 64
013	606,717	46	75,953	718	517,804	149	103,500	75,056	927,951 65
695	302,181	47	37,601	648	324,530	.....	.....	274,310	721,880 66
133	60,806	8	11,103	70	33,000	46	12,634	50,451	154,016 67
3	894	2	426	1	408	.....	.....	3,695	8,200 68
258	82,425	82	36,770	174	45,067	2	570	217,811	387,632 69
61	33,275	19	12,165	42	21,110	.....	.....	165,000	211,632 70
13	8,750	8	6,240	5	2,510	.....	.....	2,530	13,450 71
318	188,870	72	40,987	229	133,792	17	8,100	110,113	393,753 72
3	1,020	3	1,920	.....	.....	.....	.....	225	3,050 73
31	14,808	12	6,800	19	8,008	.....	.....	110,275	155,410 74
302	150,348	16	18,248	276	184,100	10	4,000	200,140	575,250 75
400	237,258	100	63,087	345	170,571	6	9,600	186,220	503,816 76
775	871,980	18	25,800	757	340,180	.....	.....	1,062,028	1,703,440 77
46	17,025	15	8,351	20	8,134	2	540	54,101	155,885 78
261	98,442	22	10,231	138	40,236	103	41,945	6,659	111,280 79
109	62,725	50	36,442	60	26,288	.....	.....	34,045	136,924 80
68	40,805	10	9,825	56	30,640	2	500	12,830	50,613 81
224	138,177	44	41,176	180	97,001	.....	.....	230,228	430,927 82
173	80,008	37	27,052	129	50,420	7	2,886	50,252	175,311 83
1,343	632,150	304	198,250	708	351,953	181	81,047	307,256	1,719,477 84
793	366,257	41	43,380	752	322,877	.....	.....	610,050	1,518,011 85
10	4,130	5	2,236	5	1,900	.....	.....	11,490	19,073 86
34	15,384	4	2,420	30	12,004	.....	.....	11,724	44,775 87
374	167,843	103	56,023	193	78,068	78	33,752	241,722	556,998 88
1,530	843,715	89	65,721	1,422	771,950	28	6,044	1,423,175	2,818,565 89
172	63,362	8	6,002	35	14,768	129	41,532	74,065	159,076 90
19	9,288	9	5,250	10	4,038	.....	.....	177,007	208,796 91

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
MAINE—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
92	Soap and candles .....	10	\$20,702	\$4,681
93	Starch .....	18	117,350	10,570
94	Taxidermy .....	4	4,685	840
95	Timber products, not manufactured at mill .....	63	1,004,808	70,167
96	Tinsmithing, coppersmithing, and sheet-iron working .....	103	352,900	21,541
97	Tobacco, cigars and cigarettes .....	25	80,330	17,620
98	Tools, not elsewhere specified .....	5	59,175	3,984
99	Trunks and valises .....	13	51,319	4,564
100	Vinegar and cider .....	11	17,856	530
101	Watch, clock, and jewelry repairing .....	42	32,600	7,216
102	Wood, turned and carved .....	33	300,330	24,850
103	Woodenware, not elsewhere specified .....	4	106,409	12,602
104	Woolen goods .....	75	8,338,804	472,848
105	All other industries (a) .....	80	3,004,274	370,050

(a) Embraces babbitt metal and solder, 1; baskets and rattan and willow ware, 1; belting and hose, leather, 2; bicycle and tricycle repairing, 1; blacking, 2; bottling, 1; bridges, 1; bronze castings, 1; carpets, rug, 1; carriages and sleds, children's, 1; cheese and butter, urban dairy product, 2; coffee and spice, roasting and grinding, 2; cotton waste, 1; dyeing and finishing textiles, 1; dyestuffs and extracts, 2; electroplating, 2; engraving and diesinking, 1; engraving, steel, including plate printing, 1; felt goods, 1; fur goods, 2; glass, cutting, staining, and ornamenting, 2; glue, 1; gunpowder, 2; hand stamps, 1; hones and whetstones, 1; house furnishing goods, not elsewhere specified, 2; iron and steel, 2; iron and steel, forgings, 1; ironwork, architectural and ornamental, 2; ivory and bone work, 1; jewelry and instrument cases, 2; musical instruments, organs and

#### MARYLAND.

1	All industries .....	7,485	110,007,316	10,610,347
2	Agricultural implements .....	11	322,040	58,146
3	Artificial feathers and flowers .....	3	2,145	438
4	Awnings, tents, and sails .....	23	111,030	8,226
5	Baking and yeast powders .....	5	150,875	2,914
6	Baskets and rattan and willow ware .....	19	51,583	2,701
7	Blacksmithing and wheelwrighting .....	616	797,161	42,402
8	Bluing .....	3	754	341
9	Boukbinding and blank-book making .....	18	93,380	7,814
10	Boot and shoe uppers .....	21	70,849	3,903
11	Boots and shoes, custom work and repairing .....	813	661,010	68,858
12	Boots and shoes, factory product .....	28	863,905	30,053
13	Bottling .....	5	29,000	2,822
14	Boxes, cigar .....	12	58,725	2,470
15	Boxes, fancy and paper .....	12	140,708	15,300
16	Boxes, wooden packing .....	10	530,108	30,471
17	Brass castings and brass finishing .....	7	1,472,361	30,052
18	Bread and other bakery products .....	381	1,109,921	89,101
19	Brick and tile .....	64	2,660,902	270,437
20	Brooms and brushes .....	28	274,312	18,537
21	Carpentering .....	252	604,803	48,521
22	Carpets, rug .....	31	50,431	3,083
23	Carriage and wagon materials .....	11	128,804	10,780
24	Carriages and sleds, children's .....	3	54,262	8,523
25	Carriages and wagons, including custom work and repairing .....	181	898,290	44,677
26	Cars and general shop construction and repairs by steam railroad companies .....	10	2,904,677	.....
27	Cars and general shop construction and repairs by street railroad companies .....	3	49,151	277
28	Cheese, butter, and condensed milk, factory product .....	24	75,875	2,682
29	Chemicals .....	22	1,300,416	88,417
30	China, decorating .....	3	1,722	407
31	Clay and pottery products .....	11	407,507	0,070
32	Clothing, men's, custom work and repairing .....	288	1,353,026	86,582
33	Clothing, men's, factory product .....	125	9,782,643	406,160
34	Clothing, women's, dressmaking .....	212	210,031	25,592
35	Clothing, women's, factory product .....	21	478,700	44,187
36	Coffee and spice, roasting and grinding .....	14	361,110	18,840
37	Coffins and burial cases, trimming and finishing .....	60	246,337	20,205
38	Coffins, burial cases, and undertakers' goods .....	9	80,384	14,131
39	Confectionery .....	110	940,611	102,758
40	Cooperage .....	59	287,621	17,167
41	Corsets .....	5	12,480	808

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## MAINE—Continued.

AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.									
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.		
23	\$11,183	12	\$6,064	11	\$4,519	-----	-----	\$30,695	\$70,548 92
324	34,855	15	2,090	306	31,985	3	\$230	222,417	315,225 93
7	2,996	5	2,272	2	724	-----	-----	878	5,815 94
3,167	422,690	33	18,766	2,732	360,247	402	48,077	278,028	942,216 95
314	160,766	93	57,002	218	111,804	3	900	198,290	482,017 96
116	57,075	21	12,084	47	10,085	48	25,000	58,053	162,023 97
62	28,556	7	4,940	55	23,616	-----	-----	34,025	80,550 98
74	23,234	15	7,889	49	13,445	10	4,900	65,704	125,760 99
24	2,560	7	1,111	17	1,458	-----	-----	4,068	12,906 100
78	43,124	29	18,277	48	24,547	1	800	15,770	70,250 101
459	180,138	30	29,007	333	123,063	90	32,563	410,699	700,000 102
87	40,051	6	3,380	67	37,296	14	5,876	71,040	180,730 103
4,323	1,020,888	110	123,541	3,984	1,434,708	213	71,561	4,060,110	7,521,917 104
2,808	1,203,730	152	131,340	2,336	931,726	320	140,073	3,401,502	5,571,480 105

materials, 1; nets and seines, 2; oakum, 1; paints, 2; paper goods, not elsewhere specified, 2; perfumery and cosmetics, 1; photographic materials, 2; photolithographing and engraving, 1; pickles, preserves, and sauces, 2; plated and britannia ware, 1; refrigerators, 1; regalia and society banners and emblems, 1; rubber and elastic goods, 1; rules, ivory and wood, 1; sand and emery paper and cloth, 1; sausage, 2; saws, 1; shoddy, 2; show cases, 1; silk and silk goods, 1; slaughtering and meat packing, wholesale, 2; sporting goods, 2; springs, steel, car and carriage, 1; stationery goods, not elsewhere specified, 2; stencils and brands, 1; sugar and molasses, refining, 2; surgical appliances, 1; umbrellas and canes, 2; washing machines and clothes wringers, 1; wheelbarrows, 1; wirework, including wire rope and cable, 1; wool hats, 1; worsted goods, 1.

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107,054	41,520,832	9,240	7,085,418	70,365	27,104,655	27,443	7,936,750	92,050,390	171,842,503	1
177	78,271	13	9,188	147	81,177	17	7,050	48,098	216,457	2
0	2,650	4	2,350	2	300	-----	-----	1,248	5,200	3
140	85,776	24	10,244	100	65,162	7	1,370	149,400	281,412	4
75	29,402	9	6,052	65	20,180	1	250	127,380	193,840	5
163	27,550	23	9,020	71	11,122	60	7,009	10,791	64,237	6
1,258	556,411	518	208,064	673	274,642	37	12,105	310,212	1,167,602	7
12	2,207	3	1,048	8	1,144	1	75	3,455	7,808	8
175	74,343	18	13,100	147	58,553	10	2,600	43,025	104,808	9
92	46,018	20	21,116	50	21,646	16	3,256	87,550	170,106	10
1,612	678,601	780	305,420	418	157,876	435	155,605	455,242	1,525,140	11
1,253	521,048	71	61,644	573	190,552	600	250,852	723,052	1,533,701	12
34	22,500	8	9,500	20	13,000	-----	-----	103,852	155,100	13
121	43,263	10	8,110	73	25,078	38	10,015	58,613	139,382	14
450	105,590	17	12,056	230	55,194	212	38,840	116,646	280,100	15
730	290,156	22	25,041	612	226,405	105	40,720	618,540	1,004,870	16
1,187	603,050	54	128,328	1,133	584,728	-----	-----	785,045	1,903,850	17
1,581	700,143	460	278,757	1,107	420,443	5	943	2,097,801	3,550,700	18
2,508	681,475	73	54,397	1,860	511,301	576	115,687	217,385	1,481,603	19
428	146,308	27	17,448	238	80,103	118	42,757	303,735	655,028	20
1,008	900,741	219	170,000	1,185	748,357	204	71,724	1,132,070	2,006,575	21
81	26,330	30	12,446	21	5,506	30	8,378	52,705	92,010	22
100	43,887	9	6,277	89	36,570	2	1,040	66,421	150,200	23
69	27,350	12	6,320	32	13,050	25	7,089	60,175	111,428	24
1,010	479,221	146	101,212	800	849,361	70	28,648	408,270	1,184,192	25
8,014	1,490,404	36	52,806	2,004	1,390,413	74	47,245	3,588,572	5,079,035	26
71	45,005	1	382	70	45,283	-----	-----	24,540	76,477	27
50	10,224	14	5,160	41	10,984	1	80	169,280	202,288	28
550	248,050	84	80,072	471	160,187	4	1,200	868,681	1,577,165	29
8	4,420	3	2,292	5	2,134	-----	-----	612	6,250	30
623	263,797	18	17,224	570	231,407	20	15,100	116,500	504,225	31
2,134	1,005,528	339	252,384	682	327,500	1,113	425,564	1,081,020	2,752,332	32
18,094	4,178,971	394	412,301	4,311	1,808,558	8,389	1,958,112	8,123,073	16,032,924	33
870	251,100	219	97,321	561	131,303	90	22,482	319,125	700,418	34
605	205,578	30	25,222	187	70,456	388	100,000	447,020	870,081	35
138	70,055	38	37,244	87	30,719	18	2,092	1,571,159	1,789,700	36
185	98,413	85	58,724	95	38,208	5	481	177,619	408,510	37
86	41,587	23	13,692	58	24,056	5	3,000	81,723	183,179	38
880	290,009	155	83,261	675	105,808	56	10,970	1,231,210	1,900,925	39
623	280,824	46	90,564	903	137,640	274	121,611	548,319	900,142	40
38	8,410	8	1,070	13	3,053	22	3,606	7,443	20,490	41

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
MARYLAND—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
42	Cotton goods.....	15	\$7,206,703	\$354,478
43	Cutlery and edge tools.....	15	10,940	4,388
44	Dentistry, mechanical.....	58	94,062	7,915
45	Druggists' preparations, not including prescriptions.....	12	42,270	4,459
46	Dyeing and cleaning.....	44	70,053	7,919
47	Electroplating.....	8	16,047	2,286
48	Engraving and dissinking.....	7	7,425	1,318
49	Engraving, steel, including plate printing.....	7	3,010	655
50	Engraving, wood.....	3	988	349
51	Fancy articles, not elsewhere specified.....	6	27,150	2,729
52	Fertilizers.....	58	6,035,914	450,109
53	Files.....	3	5,200	972
54	Flavoring extracts.....	4	15,700	1,503
55	Flouring and grist mill products.....	335	8,007,730	236,697
56	Food preparations.....	4	56,180	4,810
57	Foundry and machine shop products.....	81	4,000,891	241,148
58	Fruits and vegetables, canning and preserving.....	107	2,730,008	161,496
59	Fur goods.....	0	97,895	7,973
60	Furnishing goods, men's.....	82	383,700	220,500
61	Furniture, cabinetmaking, repairing, and upholstering.....	106	331,832	26,262
62	Furniture, chairs.....	5	358,602	24,037
63	Furniture, factory product.....	28	938,100	53,555
64	Gas, illuminating and heating.....	7	1,015,815	103,267
65	Glass.....	11	871,111	35,847
66	Glass, cutting, staining, and ornamenting.....	6	12,476	1,727
67	Gloves and mittens.....	3	31,443	3,000
68	Gold and silver, leaf and foil.....	4	23,000	1,555
69	Grease and tallow.....	4	118,370	3,242
70	Hairwork.....	8	12,201	1,910
71	Hand stamps.....	5	61,750	7,710
72	Hats and caps, not including wool hats.....	19	724,807	80,082
73	Hay and straw, baling.....	3	16,950	1,025
74	Hosiery and knit goods.....	8	149,056	9,747
75	Ice, artificial.....	5	638,073	5,110
76	Instruments, professional and scientific.....	7	45,070	3,601
77	Iron and steel.....	10	4,007,574	46,077
78	Ironwork, architectural and ornamental.....	5	92,508	1,903
79	Japaning.....	8	1,505	706
80	Jewelry.....	8	249,335	7,415
81	Kaolin and other earth grinding.....	4	40,205	4,381
82	Labels and tags.....	3	40,452	3,403
83	Lamps and reflectors.....	3	3,150	603
84	Leather, tanned and curried.....	32	594,478	42,815
85	Lime and cement.....	29	537,891	15,004
86	Liquors, distilled.....	13	1,408,007	1,510,000
87	Liquors, malt.....	32	5,824,060	1,180,155
88	Lithographing and engraving.....	4	314,800	22,410
89	Lock and gunsmithing.....	28	35,936	4,498
90	Looking-glass and picture frames.....	34	608,052	55,146
91	Lumber and other mill products from logs or bolts.....	212	1,449,705	54,216
92	Lumber, planing mill products, including sash, doors, and blinds.....	45	1,990,138	131,296
93	Malt.....	3	438,057	15,899
94	Mantels, slate, marble, and marbleized.....	4	40,575	3,005
95	Marble and stone work.....	34	1,157,856	168,445
96	Masonry, brick and stone.....	131	8,002,557	191,547
97	Mattresses and spring beds.....	15	94,679	10,028
98	Millinery and lace goods.....	6	60,075	5,422
99	Millinery, custom work.....	104	369,398	37,815
100	Mineral and soda waters.....	22	146,047	6,500
101	Models and patterns.....	8	21,505	1,805
102	Monuments and tombstones.....	38	148,797	8,835
103	Musical instruments and materials, not specified.....	7	4,530	944
104	Musical instruments, organs and materials.....	5	37,163	7,617
105	Musical instruments, pianos and materials.....	4	1,063,987	128,400
106	Optical goods.....	3	20,535	5,277

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## MARYLAND—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.								Cost of materials used.	Value of products, including receipts from custom work and repairing.
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.			
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.		
4,213	\$1,134,445	57	\$78,000	4,137	\$1,034,775	110	\$20,701	\$8,378,016	\$5,457,702 42
41	23,020	10	12,764	25	10,256	.....	.....	10,139	49,952 43
76	58,198	61	53,052	12	4,504	3	552	84,590	137,185 44
31	10,187	10	6,874	17	3,203	4	50	4,638	20,011 45
133	63,620	45	28,003	87	35,366	1	260	17,758	138,508 46
38	20,293	10	8,420	26	10,313	2	1,500	8,385	33,500 47
14	10,138	2	2,820	11	6,518	1	800	1,301	17,878 48
18	9,288	7	6,108	11	3,120	.....	.....	1,246	17,075 49
5	4,214	3	3,850	2	364	.....	.....	408	8,314 50
43	13,120	5	2,520	38	10,000	.....	.....	28,150	60,400 51
1,232	711,548	181	218,866	1,047	401,602	4	900	3,084,178	6,208,025 52
8	5,070	4	2,580	4	2,496	.....	.....	2,360	6,600 53
14	6,356	5	3,800	0	3,050	.....	.....	16,165	34,000 54
932	406,353	307	160,200	602	233,571	23	6,402	5,778,873	6,004,888 55
30	12,004	6	3,224	24	0,740	.....	.....	86,810	132,738 56
3,503	1,913,027	241	247,120	2,051	1,500,684	401	156,223	1,875,508	4,025,072 57
13,213	1,541,264	165	124,878	8,157	937,420	4,801	418,906	4,416,352	7,196,100 58
105	34,290	14	7,892	01	26,308	.....	.....	78,918	147,600 59
1,036	290,583	42	40,148	653	104,463	341	61,972	740,970	1,402,300 60
350	182,503	101	61,580	241	118,263	8	2,750	290,045	620,917 61
271	103,726	21	17,084	210	60,542	40	10,500	388,310	535,880 62
1,103	566,340	67	70,253	854	970,293	272	125,704	605,449	1,525,075 63
202	144,301	45	53,234	157	91,127	.....	.....	445,584	1,770,807 64
1,413	708,736	10	12,176	864	180,135	533	610,425	295,637	1,256,697 65
23	16,064	7	7,344	16	8,720	.....	.....	12,460	41,104 66
63	10,074	8	3,275	0	1,007	46	5,702	10,788	42,120 67
71	19,904	2	1,040	47	12,074	22	5,080	57,017	63,835 68
29	15,495	7	5,300	21	10,005	1	100	187,424	220,735 69
26	7,380	5	2,184	18	4,300	3	930	9,265	24,513 70
56	23,380	7	4,648	40	18,732	.....	.....	21,040	71,054 71
844	305,122	41	25,840	260	122,330	634	150,052	607,830	1,202,023 72
19	4,780	3	1,300	16	3,480	.....	.....	17,401	25,000 73
306	61,406	17	10,000	87	10,020	252	33,040	87,315	180,823 74
78	30,193	8	5,680	70	24,503	.....	.....	14,008	61,594 75
26	15,378	10	6,278	14	8,580	1	520	2,550	30,293 76
1,272	390,351	25	24,358	1,247	371,093	.....	.....	2,217,173	2,800,208 77
91	53,313	6	6,500	85	46,813	.....	.....	58,043	150,788 78
0	4,298	5	3,700	4	508	.....	.....	1,700	8,030 79
77	53,385	10	14,254	67	39,131	.....	.....	138,058	200,050 80
28	10,442	2	1,510	26	8,092	.....	.....	12,570	35,200 81
36	15,060	7	6,408	29	10,552	.....	.....	31,050	60,000 82
8	4,036	2	1,124	6	2,912	.....	.....	1,761	8,800 83
350	148,548	43	83,100	301	107,479	12	7,900	722,474	986,430 84
354	113,371	12	9,925	304	92,140	38	11,900	126,880	350,150 85
183	106,705	6	9,301	177	98,404	.....	.....	757,892	2,698,650 86
823	673,377	88	141,402	735	530,885	.....	.....	1,580,951	4,002,887 87
107	125,760	10	35,000	178	89,770	.....	.....	68,731	316,952 88
68	36,510	32	20,592	35	15,808	1	120	14,144	68,751 89
547	208,275	55	38,312	472	102,020	20	7,337	513,705	913,700 90
1,678	388,747	144	55,650	1,431	310,838	103	17,250	840,257	1,505,282 91
1,305	782,301	131	121,030	981	618,581	103	142,780	2,005,755	3,332,563 92
94	41,877	4	6,000	90	36,871	.....	.....	287,946	395,517 93
32	20,106	5	4,732	23	12,038	4	2,406	23,381	55,400 94
825	510,821	64	70,050	750	437,815	2	2,050	504,070	1,020,291 95
4,576	3,202,097	100	163,794	4,108	2,884,795	364	154,408	5,300,611	10,282,435 96
115	41,977	13	9,373	70	24,806	32	7,798	124,593	230,180 97
107	53,038	12	7,780	89	25,374	66	19,884	60,000	155,500 98
482	181,002	108	64,810	339	109,146	35	7,046	329,567	695,221 99
125	62,020	22	18,037	103	44,802	.....	.....	67,978	228,000 100
31	10,083	12	9,728	17	8,847	2	508	8,110	37,730 101
178	87,634	37	26,707	140	60,765	1	102	84,458	236,249 102
13	6,702	7	4,580	5	1,872	1	250	2,348	13,686 103
66	40,620	10	10,424	52	28,105	4	2,000	37,925	100,475 104
737	532,100	98	77,220	474	260,880	225	185,000	406,592	1,201,165 105
24	20,836	5	13,500	10	12,836	.....	.....	18,835	61,584 106

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
MARYLAND—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
107	Oysters, canning and preserving.....	8	\$953,232	\$43,301
108	Painting and paper hanging.....	292	471,397	35,292
109	Prints.....	12	478,108	20,583
110	Paper.....	17	910,766	157,569
111	Paper patterns.....	3	1,067	301
112	Patent medicines and compounds.....	23	902,810	295,533
113	Paving and paving materials.....	5	32,080	2,510
114	Perfumery and cosmetics.....	5	13,368	2,038
115	Photography.....	41	85,850	10,031
116	Photolithographing and engraving.....	3	9,650	1,385
117	Pickles, preserves, and sauces.....	10	38,928	1,611
118	Plastering and stucco work.....	25	22,514	2,853
119	Plumbers' supplies.....	4	295,810	25,270
120	Plumbing and gas fitting.....	119	320,507	24,057
121	Printing and publishing, book and job.....	102	738,811	60,955
122	Printing and publishing, newspapers and periodicals.....	113	1,385,133	307,413
123	Pumps, not including steam pumps.....	4	7,058	394
124	Refrigerators.....	5	59,430	5,402
125	Regalia and society banners and emblems.....	3	36,150	2,700
126	Roofing and roofing materials.....	54	186,481	16,678
127	Saddlery and harness.....	143	715,655	54,101
128	Sewing machine repairing.....	12	8,385	1,873
129	Shipbuilding.....	34	1,315,262	92,677
130	Shifts.....	18	418,400	43,295
131	Show cases.....	3	100,168	22,587
132	Silk and silk goods.....	4	50,400	3,798
133	Silverware.....	5	41,178	2,562
134	Slaughtering and meat packing, wholesale.....	14	958,621	75,232
135	Slaughtering, wholesale, not including meat packing.....	3	34,560	927
136	Soap and candles.....	6	430,643	29,590
137	Timber products, not manufactured at mill.....	5	10,100	682
138	Tinsmithing, coppersmithing, and sheet-iron working.....	226	2,483,033	140,007
139	Tobacco, chewing, smoking, and snuff.....	6	2,203,619	928,023
140	Tobacco, cigars and cigarettes.....	385	1,306,602	963,944
141	Tools, not elsewhere specified.....	6	62,145	1,839
142	Trunks and valises.....	20	27,130	4,481
143	Type founding.....	4	272,000	18,010
144	Umbrellas and canes.....	15	161,115	7,894
145	Upholstery materials.....	7	1,146,223	25,057
146	Vinegar and cider.....	6	71,007	3,411
147	Watch, clock, and jewelry repairing.....	101	138,379	17,245
148	Window shades.....	7	31,458	2,550
149	Wirework, including wire rope and cable.....	4	65,941	1,808
150	Wood, turned and carved.....	13	30,075	4,207
151	Woolen goods.....	9	372,875	14,442
152	All other industries (a).....	101	4,836,250	323,603

a Embraces ammunition, 1; artificial limbs, 1; artists' materials, 1; babbitt metal and solder, 2; bags, other than paper, 2; bags, paper, 2; belting and hose, linen, 2; billiard tables and materials, 1; blacking, 1; boot and shoe findings, 1; brassware, 2; bridges, 2; buttons, 1; calcium lights, 1; cleansing and polishing preparations, 2; cloth, sponging and refinishing, 1; clothing, horse, 1; clothing, man's, factory product, buttonholes, 2; cordage and twine, 2; cotton waste, 1; drug grinding, 1; dyeing and finishing textiles, 2; dye stuffs and extracts, 1; electrical apparatus and supplies, 2; enameling, 1; firearms, 2; fire extinguishers, chemical, 1; fireworks, 2; galvanizing, 1; gas and lamp fixtures, 2; gas machines and meters, 2; glue, 2; hand knit goods, 1; hardware, 1; house furnishing goods, not elsewhere specified, 2; ink, writing, 1; iron and steel, bolts, nuts, washers, and rivets, 1; iron and steel, nails and spikes, cut and wrought, including wire nails, 2;

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

MARYLAND—Continued.

AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.									
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.		
2,880	\$618,100	46	\$50,000	1,214	\$370,163	1,020	\$182,877	\$1,877,353	\$2,834,400 107
1,082	636,377	237	109,033	700	426,295	95	41,049	420,088	1,369,200 108
195	67,709	30	24,548	105	43,101			200,140	352,533 109
491	193,168	19	21,050	450	109,550	22	1,050	652,004	1,001,945 110
4	1,228	3	1,070	1	150			200	2,400 111
711	249,608	53	31,477	810	213,841	48	4,200	784,320	1,061,403 112
64	25,238	4	2,747	30	11,051	30	11,440	43,467	99,353 113
20	9,020	3	2,084	26	6,336			41,087	67,000 114
158	77,784	40	32,800	107	40,715	11	4,200	44,020	204,063 115
14	7,805	2	1,205	12	6,000			3,501	17,000 116
36	14,100	13	6,240	23	7,926			41,320	87,105 117
196	65,612	30	10,012	75	46,310	1	200	23,495	109,950 118
376	174,954	23	22,030	270	105,704	77	40,224	210,078	405,500 119
539	288,018	124	90,595	411	106,153	4	1,270	351,098	881,200 120
935	422,226	151	120,081	713	277,044	71	18,501	374,014	1,107,034 121
1,251	846,819	208	187,020	700	437,423	274	222,376	431,500	2,004,724 122
7	2,500	4	1,907	3	593			736	4,345 123
53	28,583	11	8,015	33	14,401	9	6,107	33,500	78,018 124
49	20,504	9	5,000	40	14,404			15,838	57,404 125
184	85,034	55	32,955	124	61,442	5	6,037	131,703	315,287 126
670	205,202	140	87,207	460	154,725	58	23,270	492,088	1,018,164 127
21	8,016	6	2,090	15	6,226			5,232	20,073 128
1,075	610,342	32	28,850	1,032	610,283	11	1,200	737,457	1,737,074 129
1,311	345,407	40	30,344	637	170,708	634	185,355	507,953	1,101,018 130
204	98,322	13	10,084	110	45,074	75	41,164	120,397	263,246 131
75	24,233	3	3,600	72	20,633			34,305	100,361 132
60	46,514	4	4,120	48	39,124	7	3,970	34,584	107,420 133
421	225,112	53	53,904	364	170,158	4	1,050	3,608,147	4,311,412 134
23	13,180	2	1,820	21	11,360			301,416	359,278 135
153	80,300	18	10,440	135	60,860			363,499	621,270 136
23	2,601	5	780	12	1,093	6	728	684	5,190 137
3,589	1,405,639	309	210,929	2,517	900,060	733	270,544	3,240,480	5,638,301 138
1,221	374,101	43	38,066	1,178	335,135			1,594,205	3,216,247 139
2,227	620,535	370	226,550	610	201,335	1,238	492,050	1,048,483	2,858,544 140
40	23,904	8	4,708	88	10,256			18,010	50,000 141
76	30,046	14	8,484	50	17,018	12	4,544	43,745	110,000 142
121	67,375	18	21,120	85	41,806	18	4,940	35,240	102,200 143
158	48,002	24	14,020	30	11,664	104	21,718	107,008	305,366 144
703	233,275	5	4,250	567	182,685	221	40,440	676,050	1,076,078 145
43	23,481	14	13,631	28	9,738	1	112	23,622	65,734 146
177	106,518	98	67,409	65	33,029	14	5,000	48,700	230,433 147
48	22,749	10	6,749	87	15,550	1	450	45,730	82,010 148
70	30,538	8	5,500	53	29,886	4	1,092	27,487	78,008 149
63	25,084	14	9,036	46	16,048			25,461	72,088 150
383	123,931	7	4,450	876	119,481			424,855	570,510 151
2,035	1,213,182	217	230,470	2,037	881,950	381	91,753	6,201,704	9,158,087 152

Jewelry and instrument cases, 1; lasts, 1; lead, bar, pipe, and sheet, 1; leather goods, 2; leather, morocco, 1; millstones, 2; maulinge and paste, 1; nets and seines, 1; oakum, 1; oil, lubricating, 2; paper hangings, 1; petroleum, refining, 2; pipes, tobacco, 1; plated and britannia ware, 2; printing materials, 1; printing, tip, 1; pulp, wood, 1; rubber and chamois goods, 1; safes and vaults, 1; sausages, 2; saws, 2; scales and balances, 2; smelting and refining, 1; stamped ware, 1; stationery goods, not elsewhere specified, 1; steam fittings and heating apparatus, 2; stencils and brands, 1; surgical appliances, 2; toys and games, 2; varnish, 1; washing machines and clothes wringers, 1; watch cases, 1; whips, 1; woodenware, not elsewhere specified, 1.

## COMPENDIUM OF THE ELEVENTH CENSUS: 1890.

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
MASSACHUSETTS.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	Capital.	Miscellaneous expenses.
1	All industries.....	26,023	\$630,032,341	\$63,083,782
2	Agricultural implements.....	17	1,817,750	81,876
3	Artificial feathers and flowers.....	5	9,844	5,054
4	Artificial limbs.....	4	13,275	1,301
5	Artists' materials.....	3	57,144	8,738
6	Awnings, tents, and sails.....	68	261,010	30,072
7	Bags, other than paper.....	4	49,112	6,455
8	Baking and yeast powders.....	9	381,489	21,650
9	Baskets and rattan and willow ware.....	35	1,297,800	137,175
10	Belting and hose, leather.....	21	707,406	48,301
11	Belting and hose, rubber.....	3	1,275,320	62,753
12	Bicycle and tricycle repairing.....	19	29,020	3,857
13	Bicycles and tricycles.....	7	1,202,001	130,110
14	Billiard tables and materials.....	8	123,000	13,940
15	Blacking.....	27	302,550	60,054
16	Blacksmithing and wheelwrighting.....	1,370	2,150,508	215,000
17	Bluing.....	3	64,800	4,830
18	Bookbinding and blank-book making.....	85	1,307,743	187,786
19	Boot and shoe cutstock.....	288	4,774,754	368,541
20	Boot and shoe findings.....	103	1,187,643	121,081
21	Boot and shoe uppers.....	27	205,497	20,200
22	Boots and shoes, custom work and repairing.....	1,380	893,202	165,518
23	Boots and shoes, factory product.....	1,057	44,507,702	5,608,233
24	Boots and shoes, rubber.....	5	8,878,775	452,250
25	Bottling.....	77	703,053	144,504
26	Boxes, cigar.....	7	46,547	0,048
27	Boxes, fancy and paper.....	64	1,137,511	125,023
28	Boxes, wooden packing.....	91	1,114,014	70,735
29	Brass.....	3	43,862	1,495
30	Brass and copper, rolled.....	3	983,589	55,199
31	Brass castings and brass finishing.....	51	1,172,505	103,027
32	Brassware.....	8	61,110	4,830
33	Bread and other bakery products.....	703	2,775,076	548,763
34	Brick and tile.....	110	3,014,277	150,101
35	Bridges.....	10	137,550	10,128
36	Brooms and brushes.....	50	1,078,217	87,416
37	Buttons.....	16	770,135	83,130
38	Carpentering.....	2,050	9,290,845	1,236,033
39	Carpets and rugs, other than rag.....	7	8,070,924	867,164
40	Carpets, rag.....	3	215	68
41	Carriges and wagon materials.....	49	610,407	45,771
42	Carriages and sleds, children's.....	7	440,837	30,670
43	Carriages and wagons, including custom work and repairing.....	430	5,495,873	870,700
44	Cars and general shop construction and repairs by steam railroad companies.....	14	1,088,076	-----
45	Cars and general shop construction and repairs by street railroad companies.....	3	264,381	4,294
46	Cars, steam railroad, not including operations of railroad companies.....	3	843,331	26,160
47	Cars, street railroad, not including operations of railroad companies.....	3	107,142	13,063
48	Cheese and butter, urban dairy product.....	8	148,132	15,441
49	Cheese, butter, and condensed milk, factory product.....	29	118,781	10,051
50	Chemicals.....	38	1,572,043	386,506
51	China, decorating.....	5	3,485	2,048
52	Clay and pottery products.....	29	811,541	42,480
53	Cleansing and polishing preparations.....	12	114,054	14,488
54	Clocks.....	4	801,038	44,293
55	Cloth, sponging and refinishing.....	5	5,885	5,972
56	Clothing, men's, custom work and repairing.....	1,035	3,018,610	1,106,589
57	Clothing, men's, factory product.....	221	11,254,026	2,521,103
58	Clothing, men's, factory product, buttonholes.....	11	6,140	2,567
59	Clothing, women's, dressmaking.....	2,500	1,006,832	432,512
60	Clothing, women's, factory product.....	44	592,161	112,078
61	Coffee and spice, roasting and grinding.....	23	1,403,154	107,344
62	Coffins and burial cases, trimming and finishing.....	87	965,768	33,820
63	Coffins, burial cases, and undertakers' goods.....	14	417,600	19,558
64	Combs.....	18	924,218	40,803
65	Confectionery.....	218	1,560,040	278,433
66	Cooperage.....	81	614,857	33,395

## MANUFACTURES.

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BY SPECIFIED INDUSTRIES: 1890—Continued.

## MASSACHUSETTS.

AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.									
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.		
485,182	\$289,670,500	37,912	\$33,826,172	347,010	\$163,250,517	100,200	\$42,584,820	\$473,188,434	\$888,160,403 1
787	448,927	52	66,263	450	220,081	285	102,583	604,235	1,470,085 2
28	9,882	8	4,132	20	5,750	-----	-----	17,008	45,865 3
10	5,105	5	5,390	2	1,350	3	425	2,353	15,550 4
94	38,118	7	8,430	7	5,054	80	24,034	32,949	98,008 5
340	221,050	75	55,245	265	103,050	0	3,315	363,104	727,707 6
43	10,187	8	7,204	30	10,040	5	1,043	114,021	157,144 7
112	66,050	23	23,100	75	38,359	14	5,200	572,517	732,387 8
932	350,802	44	26,060	333	169,319	555	154,544	583,508	1,027,054 9
250	160,510	50	57,520	190	111,060	1	80	1,113,070	1,473,035 10
412	232,780	11	20,301	401	212,410	-----	-----	689,201	1,182,195 11
56	31,300	18	11,600	38	10,070	-----	-----	18,040	51,860 12
843	514,180	30	42,670	781	412,047	23	58,563	247,014	608,342 13
68	55,372	10	13,180	55	39,198	3	2,094	83,276	225,108 14
194	103,218	40	36,820	107	51,112	47	15,286	497,430	785,423 15
3,257	2,088,704	1,156	703,560	2,088	1,291,922	13	3,213	1,072,340	4,200,820 16
30	18,379	10	11,350	20	7,020	-----	-----	36,811	97,000 17
1,820	810,642	120	118,230	1,100	614,871	510	186,382	602,810	1,849,572 18
4,044	2,020,813	436	364,907	2,579	1,185,549	1,620	476,297	12,338,630	15,923,050 19
1,552	517,572	141	117,044	930	205,842	472	103,893	1,525,165	2,521,036 20
325	154,732	35	28,585	109	57,452	181	68,095	580,069	810,208 21
2,144	1,067,366	1,247	645,105	606	825,863	231	90,338	527,820	1,036,258 22
60,034	84,049,668	2,600	2,509,709	23,712	12,565,059	48,002	10,814,840	63,028,182	116,387,900 23
4,079	2,131,531	47	42,032	2,102	973,284	2,740	1,110,218	6,400,882	9,792,024 24
686	406,132	110	96,748	552	309,300	1	75	1,402,354	2,485,870 25
107	48,973	17	11,022	81	35,384	9	2,567	65,826	137,720 26
2,710	902,901	118	108,080	1,001	410,641	1,501	434,271	1,227,760	2,720,734 27
1,354	647,432	87	73,225	1,078	497,603	180	70,514	1,252,707	2,339,048 28
22	14,920	3	3,164	19	11,702	-----	-----	83,866	110,000 29
350	200,655	12	24,040	295	152,012	53	23,403	877,070	1,318,568 30
806	584,348	90	101,974	800	477,715	0	4,050	690,298	1,640,425 31
33	10,494	7	4,413	20	13,521	6	1,560	34,820	96,703 32
4,479	2,471,180	1,205	743,073	3,131	1,000,704	143	37,400	5,023,736	10,755,915 33
3,201	1,000,450	132	92,222	3,024	904,560	105	33,650	598,687	2,314,406 34
202	145,988	12	9,202	190	136,096	-----	-----	214,345	447,000 35
605	374,281	87	62,252	510	184,208	308	127,731	841,045	1,588,500 36
911	360,040	34	62,390	713	251,017	104	50,342	458,775	1,071,087 37
17,092	12,088,985	2,024	1,801,078	15,010	10,257,452	68	30,455	16,915,443	34,336,615 38
5,144	1,892,072	35	75,983	4,057	1,052,222	452	163,897	4,731,873	7,275,000 39
3	890	3	800	-----	-----	-----	715	1,681	40
499	314,223	67	60,898	357	208,748	75	44,577	347,706	827,400 41
362	181,935	10	20,436	395	158,400	8	3,000	287,201	629,500 42
4,641	2,000,541	510	466,787	8,420	2,098,360	702	404,404	3,183,047	7,007,869 43
2,280	1,208,228	25	18,711	2,204	1,270,517	-----	-----	1,300,705	2,712,703 44
330	213,821	4	2,500	326	211,321	-----	-----	200,478	472,582 45
418	227,072	12	25,040	282	148,227	124	53,805	483,019	810,583 46
93	56,883	5	4,300	88	52,583	-----	-----	61,701	143,036 47
66	44,090	10	9,425	66	34,074	-----	-----	688,175	759,546 48
91	51,754	7	3,032	82	40,058	2	1,164	484,708	570,742 49
624	391,823	97	122,074	407	253,081	30	16,665	1,008,898	2,044,623 50
15	6,351	0	3,200	0	3,201	-----	-----	33,160	44,076 51
510	274,087	46	45,080	414	204,942	50	24,065	114,355	505,354 52
107	56,263	22	17,604	83	38,360	2	200	150,169	388,230 53
308	280,596	12	14,558	310	230,884	67	35,154	90,941	552,383 54
42	22,000	6	4,004	36	18,056	-----	-----	2,130	38,850 55
5,872	3,207,873	1,054	830,430	2,873	1,450,504	1,045	908,840	2,979,054	8,501,002 56
8,100	3,733,400	913	858,010	3,303	1,054,707	3,980	1,220,173	11,805,905	21,242,647 57
50	21,304	7	4,888	20	8,217	23	8,199	3,205	31,025 58
8,752	3,011,034	2,350	1,110,114	6,085	1,821,832	311	79,988	2,088,442	6,517,041 59
1,478	553,551	153	117,434	600	220,831	716	206,236	924,433	1,863,517 60
264	174,076	54	59,005	198	114,021	2	460	3,020,332	3,568,259 61
256	154,040	99	64,588	155	80,130	2	325	307,513	640,019 62
357	207,838	35	32,722	296	164,344	26	10,772	233,464	619,810 63
401	190,050	39	33,795	332	149,031	30	13,824	181,004	470,077 64
2,413	1,021,957	410	293,291	1,808	676,148	126	53,518	3,104,741	5,291,814 65
604	328,021	72	64,815	336	178,384	196	84,822	540,770	980,458 66

TABLE 5.—MANUFACTURES IN STATES AND TERRITORIES,  
MASSACHUSETTS—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establish- ments report- ing.	Capital.	Miscellane- ous expenses.
67	Cordage and twine.....	32	\$8,168,598	\$372,447
68	Cork, cutting .....	6	52,400	4,853
69	Corsets .....	16	349,349	101,014
70	Cotton goods.....	187	128,838,837	6,075,255
71	Cotton waste .....	4	270,810	23,823
72	Cutlery and edge tools.....	82	2,424,060	168,877
73	Dentistry, mechanical .....	387	204,648	70,705
74	Dentists' materials .....	3	73,860	8,250
75	Druggists' preparations, not including prescriptions.....	392	309,058	95,060
76	Dyeing and cleaning.....	73	270,143	112,711
77	Dyeing and finishing textiles.....	33	11,006,154	869,680
78	Dye stuffs and extracts.....	11	1,057,718	96,917
79	Electrical apparatus and supplies.....	20	5,582,175	338,810
80	Electroplating.....	44	178,427	21,615
81	Emery wheels .....	6	418,002	59,084
82	Enamelled goods .....	5	0,015	1,071
83	Engraving and diesinking.....	55	68,834	16,414
84	Engraving, steel, including plate printing .....	24	164,707	36,256
85	Engraving, wood .....	36	74,302	15,011
86	Envelopes .....	11	1,326,860	176,090
87	Fancy articles, not elsewhere specified.....	20	482,690	30,860
88	Felt goods .....	7	731,976	29,386
89	Fertilizers .....	16	1,720,005	54,010
90	Files.....	23	102,617	11,560
91	Firearms .....	13	1,530,530	60,158
92	Fireworks .....	4	73,091	0,200
93	Fish, canning and preserving.....	20	741,301	36,917
94	Flags and banners .....	4	16,240	1,404
95	Flavoring extracts .....	21	120,042	20,260
96	Flouring and grist mill products .....	238	2,008,303	109,074
97	Food preparations .....	20	860,303	75,321
98	Foundry and machine shop products .....	711	30,021,187	3,040,800
99	Fruits and vegetables, canning and preserving .....	10	182,024	28,100
100	Fur goods .....	32	382,032	56,140
101	Furnishing goods, men's .....	38	1,392,013	104,630
102	Furniture, cabinetworking, repairing and upholstering .....	307	821,204	137,058
103	Furniture, chairs .....	45	5,386,973	370,775
104	Furniture, factory product .....	130	3,457,794	341,571
105	Gas and lamp fixtures .....	8	513,050	80,760
106	Gas, illuminating and heating .....	72	20,063,751	848,895
107	Gas machines and meters .....	5	170,250	10,802
108	Gas stoves .....	3	266,711	28,260
109	Glass .....	6	365,051	35,700
110	Glass, cutting, staining, and ornamenting .....	25	231,013	26,009
111	Gloves and mittens .....	7	19,300	3,302
112	Glue .....	11	735,884	61,246
113	Gold and silver, leaf and foil .....	6	35,525	3,704
114	Grease and tallow .....	47	1,227,578	66,022
115	Hairwork .....	50	80,727	33,264
116	Hand stamps .....	23	64,732	10,982
117	Hardware .....	37	956,288	69,041
118	Hardware, saddlery .....	0	44,882	5,638
119	Hat and cap materials .....	3	31,752	5,089
120	Hats and caps, not including wool hats .....	54	1,052,302	171,595
121	Hosiery and knit goods .....	74	4,107,040	915,786
122	House furnishing goods, not elsewhere specified .....	15	205,588	65,710
123	Ink, writing .....	7	258,115	7,644
124	Instruments, professional and scientific .....	23	289,187	15,106
125	Iron and steel .....	13	4,337,118	169,045
126	Iron and steel, bolts, nuts, washers, and rivets .....	9	848,821	54,042
127	Iron and steel, forgings .....	8	501,034	35,108
128	Iron and steel, nails and spikes, cut and wrought, including wire nails .....	40	2,906,894	184,087
129	Ironwork, architectural and ornamental .....	26	905,918	65,244
130	Ivory and bone work .....	10	55,505	14,808
131	Japanning .....	9	15,210	3,515